

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 28, 2005, 12:36:03 ; Search time 507 Seconds
(without alignments)
11776.812 Million cell updates/sec

Perfect score: 893
Sequence: 1 gtcattgccagtgctgtctct.....aaaaaaaaaaaaaaaaaaaa 893

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 7400732 seqs, 3343137571 residues

Total number of hits satisfying chosen parameters: 14801464

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/ptoddata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptoddata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptoddata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptoddata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptoddata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptoddata/1/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptoddata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptoddata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptoddata/1/pubpna/US09A_PUBCOMB.seq:*
- 10: /cgn2_6/ptoddata/1/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptoddata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptoddata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptoddata/1/pubpna/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/ptoddata/1/pubpna/US10B_PUBCOMB.seq:*
- 15: /cgn2_6/ptoddata/1/pubpna/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/ptoddata/1/pubpna/US10D_PUBCOMB.seq:*
- 17: /cgn2_6/ptoddata/1/pubpna/US10E_PUBCOMB.seq:*
- 18: /cgn2_6/ptoddata/1/pubpna/US10F_PUBCOMB.seq:*
- 19: /cgn2_6/ptoddata/1/pubpna/US10G_PUBCOMB.seq:*
- 20: /cgn2_6/ptoddata/1/pubpna/US10H_PUBCOMB.seq:*
- 21: /cgn2_6/ptoddata/1/pubpna/US10I_PUBCOMB.seq:*
- 22: /cgn2_6/ptoddata/1/pubpna/US10_NEW_PUB.seq:*
- 23: /cgn2_6/ptoddata/1/pubpna/US11A_PUBCOMB.seq:*
- 24: /cgn2_6/ptoddata/1/pubpna/US11_NEW_PUB.seq:*
- 25: /cgn2_6/ptoddata/1/pubpna/US60_NEW_PUB.seq:*
- 26: /cgn2_6/ptoddata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
27	893	100.0	893	10	US-09-997-428-400
72	893	100.0	893	16	US-10-210-951-25
73	893	100.0	893	16	US-10-211-884-25
74	893	100.0	893	17	US-10-211-858-25
76	893	100.0	893	22	US-10-950-374-400
77	855	95.7	867	18	US-10-296-115-92
78	843.6	94.5	884	11	US-09-978-360A-203
79	843.4	94.4	875	10	US-09-919-039-349

80	704	78.8	990	14	US-10-062-548-16	Sequence 16, Appl
81	704	78.8	990	21	US-10-918-446-16	Sequence 16, Appl
82	704	78.8	990	23	US-11-002-755-16	Sequence 16, Appl
83	704	78.8	990	24	US-11-002-756-16	Sequence 16, Appl
84	701.4	78.5	707	18	US-10-302-172-35	Sequence 35, Appl
85	673.4	75.4	691	11	US-09-978-360A-102	Sequence 102, App
86	594.4	66.6	1022	17	US-10-429-160-73	Sequence 73, Appl
87	528.8	59.2	708	18	US-10-302-172-36	Sequence 36, Appl
c 88	302.4	33.9	545	9	US-09-864-761-7973	Sequence 7973, Ap
89	266.6	29.9	890	16	US-10-006-285-215	Sequence 215, App
c 90	242.4	27.1	261	9	US-09-864-761-24677	Sequence 24677, A
91	206	23.1	526	16	US-10-029-386-10140	Sequence 10140, A
92	176.6	19.8	287	16	US-10-006-285-89	Sequence 89, Appl
93	149.4	16.7	287	20	US-10-425-115-148329	Sequence 148329,
94	112.4	12.6	128	16	US-10-029-386-23840	Sequence 23840, A
95	97.2	10.9	368	9	US-09-983-965-4822	Sequence 4822, Ap
c 96	56.4	6.3	387	9	US-09-960-352-3404	Sequence 3404, Ap
97	56.4	6.3	1926	15	US-10-294-804-3	Sequence 3, Appli
98	56.4	6.3	1926	20	US-10-194-046-3	Sequence 3, Appli
c 99	56.4	6.3	8705	15	US-10-291-230-14	Sequence 14, Appl
c 100	56.4	6.3	8705	15	US-10-291-249-14	Sequence 14, Appl
c 101	56.4	6.3	8705	18	US-10-273-678-16	Sequence 16, Appl
c 102	56.4	6.3	9482	21	US-10-888-961-4	Sequence 4, Appli
103	56.4	6.3	9600	16	US-10-278-751-1	Sequence 1, Appli
c 104	56.4	6.3	10233	16	US-10-050-898-283	Sequence 283, App
c 105	56.4	6.3	10285	16	US-10-050-902-283	Sequence 283, App
c 106	56.4	6.3	10330	19	US-10-656-269-24	Sequence 24, Appl
c 107	56.4	6.3	10477	19	US-10-656-269-22	Sequence 22, Appl
c 108	56.4	6.3	10516	19	US-10-656-269-20	Sequence 20, Appl
c 109	56.4	6.3	10561	19	US-10-656-269-18	Sequence 18, Appl
c 110	56.4	6.3	10615	19	US-10-656-269-45	Sequence 45, Appl
c 111	56.4	6.3	10774	19	US-10-656-269-23	Sequence 23, Appl
c 112	56.4	6.3	10921	19	US-10-656-269-21	Sequence 21, Appl
c 113	56.4	6.3	10961	19	US-10-656-269-19	Sequence 19, Appl
c 114	56.4	6.3	11006	19	US-10-656-269-17	Sequence 17, Appl
c 115	56.4	6.3	11059	19	US-10-656-269-46	Sequence 46, Appl
116	56.4	6.3	11924	19	US-10-678-816-7	Sequence 7, Appli
117	56.4	6.3	12242	19	US-10-678-816-6	Sequence 6, Appli
c 118	56.4	6.3	16080	24	US-11-089-918-48	Sequence 48, Appl
c 119	56.4	6.3	16080	24	US-11-090-866-48	Sequence 48, Appl
c 120	56.4	6.3	16080	24	US-11-069-377-48	Sequence 48, Appl
c 121	56.4	6.3	16080	24	US-11-090-872-48	Sequence 48, Appl
c 122	56.4	6.3	16080	24	US-11-090-399-48	Sequence 48, Appl
c 123	56	6.3	517	20	US-10-425-115-53473	Sequence 53473, A
c 124	53.6	6.0	316	18	US-10-424-599-39389	Sequence 39389, A
125	52.8	5.9	1877	13	US-10-007-399-2	Sequence 2, Appli
126	52.8	5.9	1877	20	US-10-782-695-1	Sequence 1, Appli
127	51.8	5.8	235	20	US-10-425-115-17565	Sequence 17565, A
128	51.8	5.8	317	17	US-10-242-535A-16726	Sequence 16726, A
129	51.8	5.8	317	18	US-10-085-783A-16726	Sequence 16726, A
130	51.8	5.8	805	22	US-10-644-765-36	Sequence 36, Appl
131	51.4	5.8	462	10	US-09-918-995-15578	Sequence 15578, A
132	51.2	5.7	2339	17	US-10-264-049-556	Sequence 556, App
133	51.2	5.7	4237	9	US-09-745-763-20	Sequence 20, Appl
134	51	5.7	300	20	US-10-425-115-152075	Sequence 152075,
c 135	51	5.7	358	20	US-10-425-115-72032	Sequence 72032, A
136	51	5.7	488	20	US-10-357-930-58928	Sequence 58928, A
137	51	5.7	2091	17	US-10-172-118-152	Sequence 152, App
138	51	5.7	2091	18	US-10-342-887-152	Sequence 152, App
139	50.8	5.7	477	19	US-10-437-963-5721	Sequence 5721, Ap
140	50.8	5.7	1836	20	US-10-739-930-3097	Sequence 3097, Ap
c 141	50.6	5.7	436	20	US-10-357-930-35696	Sequence 35696, A
c 142	50.6	5.7	436	20	US-10-357-930-44502	Sequence 44502, A
c 143	50.6	5.7	830	20	US-10-357-930-14591	Sequence 14591, A
c 144	50.4	5.6	453	19	US-10-437-963-24050	Sequence 24050, A
145	50.2	5.6	190	20	US-10-357-930-56836	Sequence 56836, A
c 146	50.2	5.6	329	20	US-10-425-115-111746	Sequence 111746,
c 147	50.2	5.6	1277	19	US-10-437-963-95579	Sequence 95579, A
148	50.2	5.6	1430	9	US-09-925-300-673	Sequence 673, App
149	50	5.6	166	17	US-10-242-535A-53823	Sequence 53823, A
150	50	5.6	166	18	US-10-085-783A-53823	Sequence 53823, A
151	50	5.6	400	17	US-10-282-596-25	Sequence 25, Appl
c 152	50	5.6	531	20	US-10-425-115-181362	Sequence 181362,

651	47	5.3	4425	20	US-10-723-860-7386	Sequence 7386, Ap	1419	46.6	5.2	445	20	US-10-425-115-138033	Sequence 138033,
c 652	47	5.3	17934	15	US-10-311-455-1692	Sequence 1692, Ap	1420	46.6	5.2	479	10	US-09-764-891-53	Sequence 53, Appl
653	47	5.3	98686	17	US-10-189-267-20	Sequence 20, Appl	c1421	46.6	5.2	496	19	US-10-437-963-29090	Sequence 29090, A
c 654	46.8	5.2	201	20	US-10-719-993-10419	Sequence 10419, A	c1422	46.6	5.2	500	20	US-10-425-115-132551	Sequence 132551,
c 655	46.8	5.2	201	21	US-10-741-600-27492	Sequence 27492, A	1423	46.6	5.2	504	19	US-10-437-963-923	Sequence 923, App
656	46.8	5.2	225	17	US-10-242-535A-46212	Sequence 46212, A	c1424	46.6	5.2	510	20	US-10-425-115-133036	Sequence 133036,
657	46.8	5.2	225	18	US-10-085-783A-46212	Sequence 46212, A	c1425	46.6	5.2	510	20	US-10-425-115-89699	Sequence 89699, A
c 658	46.8	5.2	288	11	US-09-864-408A-5845	Sequence 5845, Ap	c1426	46.6	5.2	624	20	US-10-425-115-8025	Sequence 8025, Ap
659	46.8	5.2	340	16	US-10-411-224-47	Sequence 47, Appl	c1427	46.6	5.2	655	21	US-10-956-157-2701	Sequence 2701, Ap
660	46.8	5.2	340	17	US-10-047-021-47	Sequence 47, Appl	1428	46.6	5.2	655	21	US-10-956-157-7936	Sequence 7936, Ap
661	46.8	5.2	341	20	US-10-357-930-54785	Sequence 54785, A	c1429	46.6	5.2	656	22	US-10-425-115-155817	Sequence 155817,
c 662	46.8	5.2	359	20	US-10-425-115-45086	Sequence 45086, A	1430	46.6	5.2	749	22	US-10-644-765-38	Sequence 38, Appl
c 663	46.8	5.2	363	19	US-10-437-963-2971	Sequence 2971, Ap	1431	46.6	5.2	1027	9	US-09-803-589-13	Sequence 13, Appl
664	46.8	5.2	447	10	US-09-918-995-13767	Sequence 13767, A	1432	46.6	5.2	1027	20	US-10-718-332-13	Sequence 13, Appl
665	46.8	5.2	472	10	US-09-918-995-27913	Sequence 27913, A	1433	46.6	5.2	1092	9	US-09-925-301-317	Sequence 317, App
c 666	46.8	5.2	479	20	US-10-425-115-49518	Sequence 49518, A	1434	46.6	5.2	1214	9	US-09-780-717-28	Sequence 28, Appl
c 667	46.8	5.2	493	10	US-09-770-961-611	Sequence 611, App	1435	46.6	5.2	1250	20	US-10-425-115-155395	Sequence 155395,
c 668	46.8	5.2	574	19	US-10-437-963-67637	Sequence 67637, A	c1436	46.6	5.2	1282	19	US-10-467-595-49	Sequence 49, Appl
669	46.8	5.2	606	20	US-10-425-115-72997	Sequence 72997, A	1437	46.6	5.2	1354	9	US-09-925-301-315	Sequence 315, App
c 670	46.8	5.2	625	20	US-10-425-115-81074	Sequence 81074, A	1438	46.6	5.2	1378	17	US-10-310-154-34	Sequence 34, Appl
c 671	46.8	5.2	681	20	US-10-425-115-69667	Sequence 69667, A	1439	46.6	5.2	1378	19	US-10-767-701-13092	Sequence 13092, A
672	46.8	5.2	717	20	US-10-425-115-104714	Sequence 104714,	1440	46.6	5.2	1378	21	US-10-732-923-169	Sequence 169, App
673	46.8	5.2	747	20	US-10-425-115-177189	Sequence 177189,	1441	46.6	5.2	1399	9	US-09-925-300-457	Sequence 457, App
c 674	46.8	5.2	754	20	US-10-425-115-115492	Sequence 115492,	1442	46.6	5.2	1400	21	US-10-956-157-7636	Sequence 7636, Ap
675	46.8	5.2	810	9	US-09-764-846-82	Sequence 82, Appl	1443	46.6	5.2	1486	20	US-10-723-860-5536	Sequence 5536, Ap
676	46.8	5.2	810	14	US-10-091-483-82	Sequence 82, Appl	1444	46.6	5.2	1593	20	US-10-425-115-7418	Sequence 7418, Ap
c 677	46.8	5.2	848	14	US-10-198-846-8654	Sequence 8654, Ap	1445	46.6	5.2	1638	17	US-10-131-410-151	Sequence 151, App
c 678	46.8	5.2	970	20	US-10-425-115-17515	Sequence 17515, A	1446	46.6	5.2	1638	18	US-10-424-599-96402	Sequence 96402, A
705	46.8	5.2	972	10	US-09-997-428-358	Sequence 358, App	1447	46.6	5.2	1722	10	US-09-984-276-102	Sequence 102, App
1217	46.8	5.2	972	15	US-10-223-085-169	Sequence 169, App	1448	46.6	5.2	1722	10	US-09-989-890-76	Sequence 76, Appl
1223	46.8	5.2	972	15	US-10-219-065-107	Sequence 107, App	1449	46.6	5.2	1836	11	US-09-989-890-76	Sequence 76, Appl
1265	46.8	5.2	972	15	US-10-223-084-169	Sequence 169, App	1451	46.6	5.2	1844	13	US-10-001-054-23	Sequence 23, Appl
1266	46.8	5.2	972	15	US-10-223-088-169	Sequence 169, App	1452	46.6	5.2	1844	13	US-10-053-107-1	Sequence 1, Appli
1267	46.8	5.2	972	15	US-10-223-090-169	Sequence 169, App	1472	46.6	5.2	1844	14	US-10-213-145-1	Sequence 1, Appli
1272	46.8	5.2	972	15	US-10-223-087-169	Sequence 169, App	1500	46.6	5.2	1844	24	US-11-025-607-83	Sequence 83, Appl
1278	46.8	5.2	972	15	US-10-223-083-169	Sequence 169, App							
1283	46.8	5.2	972	15	US-10-223-089-169	Sequence 169, App							
1299	46.8	5.2	972	16	US-10-174-587-443	Sequence 443, App							
1335	46.8	5.2	972	16	US-10-223-081-169	Sequence 169, App							
1354	46.8	5.2	972	16	US-10-223-082-169	Sequence 169, App							
1369	46.8	5.2	972	17	US-10-305-654-169	Sequence 169, App							
1376	46.8	5.2	972	18	US-10-081-056-169	Sequence 169, App							
1386	46.8	5.2	972	22	US-10-950-374-358	Sequence 358, App							
1389	46.8	5.2	996	18	US-10-424-599-75778	Sequence 75778, A							
1390	46.8	5.2	1050	10	US-09-984-276-58	Sequence 58, Appl							
1391	46.8	5.2	1050	10	US-09-984-271-58	Sequence 58, Appl							
1392	46.8	5.2	1050	22	US-10-472-533-242	Sequence 242, App							
1393	46.8	5.2	1052	22	US-10-472-533-94	Sequence 94, Appl							
1394	46.8	5.2	1400	21	US-10-956-157-7231	Sequence 7231, Ap							
1395	46.8	5.2	1701	20	US-10-821-273-41	Sequence 41, Appl							
1396	46.8	5.2	2014	20	US-10-723-860-5163	Sequence 5163, Ap							
1397	46.8	5.2	2023	20	US-10-723-860-6452	Sequence 6452, Ap							
1398	46.8	5.2	2112	13	US-10-001-857-108	Sequence 108, App							
1399	46.8	5.2	2125	9	US-09-880-107-2412	Sequence 2412, Ap							
1400	46.8	5.2	2125	19	US-10-706-791-20	Sequence 20, Appl							
1401	46.8	5.2	2156	22	US-10-644-765-102	Sequence 102, App							
1402	46.8	5.2	3023	21	US-10-956-157-1996	Sequence 1996, Ap							
1403	46.8	5.2	3023	22	US-10-287-436A-289	Sequence 289, App							
1404	46.8	5.2	3444	20	US-10-723-860-6025	Sequence 6025, Ap							
1405	46.8	5.2	8244	19	US-10-437-963-85878	Sequence 85878, A							
c1406	46.8	5.2	8375	15	US-10-311-455-1051	Sequence 1051, Ap							
1407	46.8	5.2	15749	20	US-10-723-860-6482	Sequence 6482, Ap							
1408	46.8	5.2	3673778	16	US-10-312-841-2	Sequence 2, Appli							
1409	46.6	5.2	239	20	US-10-357-930-56521	Sequence 56521, A							
1410	46.6	5.2	243	20	US-10-425-115-123033	Sequence 123033,							
c1411	46.6	5.2	264	10	US-09-814-353-5826	Sequence 5826, Ap							
c1412	46.6	5.2	264	10	US-09-814-353-12108	Sequence 12108, A							
1413	46.6	5.2	320	20	US-10-425-115-24328	Sequence 24328, A							
c1414	46.6	5.2	340	20	US-10-425-115-91521	Sequence 91521, A							
1415	46.6	5.2	356	20	US-10-357-930-49220	Sequence 49220, A							
1416	46.6	5.2	363	18	US-10-424-599-81255	Sequence 81255, A							
c1417	46.6	5.2	377	11	US-09-969-034-450	Sequence 450, App							
1418	46.6	5.2	390	10	US-09-918-995-16470	Sequence 16470, A							

Search completed: September 28, 2005, 15:55:06
Job time : 539 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 28, 2005, 11:04:58 ; Search time 142 Seconds
(without alignments)
10290.106 Million cell updates/sec

Title: US-09-989-730-400
Perfect score: 893
Sequence: 1 gtcacgacagtgcctgctct.....aaaaaaaaaaaaaaaaaaaa 893

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database : Issued Patents NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	843.4	94.4	875	4	US-09-919-039-349 Sequence 349, App
2	704	78.8	990	4	US-09-369-247-16 Sequence 16, Appl
3	701.4	78.5	707	4	US-09-799-451-35 Sequence 35, Appl
4	528.8	59.2	708	4	US-09-799-451-36 Sequence 36, Appl
5	512.2	57.4	1372	4	US-09-976-594-869 Sequence 869, App
6	142.6	16.0	298	4	US-09-621-976-17767 Sequence 17767, A
7	56.4	6.3	1926	3	US-09-249-585A-2 Sequence 2, Appli
8	56.4	6.3	1926	4	US-09-410-399-3 Sequence 3, Appli
9	56.4	6.3	2580	3	US-09-050-863-2 Sequence 2, Appli
10	56.4	6.3	2580	3	US-09-359-081-2 Sequence 2, Appli
11	56.4	6.3	5452	2	US-09-130-114-1 Sequence 1, Appli
12	56.4	6.3	8705	4	US-09-647-344A-14 Sequence 14, Appl
13	56.4	6.3	9600	3	US-08-910-647-1 Sequence 1, Appli
14	56.4	6.3	9600	3	US-09-620-925-1 Sequence 1, Appli
15	56.4	6.3	10596	1	US-07-884-811-15 Sequence 15, Appl
16	56.4	6.3	10596	1	US-07-885-971-15 Sequence 15, Appl
17	56.4	6.3	10596	1	US-08-087-783A-15 Sequence 15, Appl
18	56.4	6.3	10596	1	US-08-194-088B-15 Sequence 15, Appl
19	56.4	6.3	10596	2	US-08-194-087-15 Sequence 15, Appl
20	56.4	6.3	10596	5	PCT-US93-04648-15 Sequence 15, Appl
21	56.4	6.3	16080	4	US-09-724-566A-48 Sequence 48, Appl
22	56.4	6.3	16080	4	US-09-471-669A-48 Sequence 48, Appl
23	51.8	5.8	1065	4	US-09-976-594-833 Sequence 833, App
24	51.6	5.8	7218	1	US-08-232-463-14 Sequence 14, Appl
25	51	5.7	141	4	US-09-621-976-8705 Sequence 8705, Ap
26	49.4	5.5	1307	2	US-08-960-022-17 Sequence 17, Appl
27	49.4	5.5	2235	4	US-09-902-540-8163 Sequence 8163, Ap

4	US-09-902-540-838	6851	5.5	49.4	5.5	Sequence 838, App
3	US-09-370-838-151	3275	5.5	49	5.5	Sequence 151, App
4	US-09-854-133-151	3275	5.5	49	5.5	Sequence 151, App
4	US-09-461-325-128	1249	5.5	48.8	5.5	Sequence 128, App
4	US-10-012-542-128	1249	5.5	48.8	5.5	Sequence 128, App
4	US-10-115-123-128	1249	5.5	48.8	5.5	Sequence 128, App
4	US-09-461-325-93	1260	5.5	48.8	5.5	Sequence 93, Appl
4	US-10-012-542-93	1260	5.5	48.8	5.5	Sequence 93, Appl
4	US-10-115-123-93	1260	5.5	48.8	5.5	Sequence 93, Appl
3	US-09-154-750A-75	2608	5.5	48.8	5.5	Sequence 75, Appl
4	US-09-665-479A-11	2608	5.5	48.8	5.5	Sequence 11, Appl
4	US-09-949-016-512	2608	5.5	48.8	5.5	Sequence 512, App
4	US-09-904-615-16	2608	5.4	48.6	5.4	Sequence 16, Appl
4	US-09-621-976-16096	288	5.4	48.2	5.4	Sequence 16096, A
4	US-09-621-976-12893	184	5.4	48	5.4	Sequence 12893, A
5	PCT-US96-00994-3	1721	5.4	48	5.4	Sequence 4, Appli
3	US-08-955-918C-1	2184	5.4	48	5.4	Sequence 1, Appli
3	US-08-697-766A-1	2184	5.4	48	5.4	Sequence 1, Appli
4	US-09-949-016-12505	670689	5.4	48	5.4	Sequence 12505, A
4	US-09-949-016-14207	670690	5.4	48	5.4	Sequence 14207, A
3	US-08-852-824-3	1637	5.4	47.8	5.4	Sequence 3, Appli
1	US-08-467-607-2	1558	5.3	47.6	5.3	Sequence 2, Appli
2	US-08-469-362-2	1558	5.3	47.6	5.3	Sequence 2, Appli
2	US-08-850-392-2	1558	5.3	47.6	5.3	Sequence 2, Appli
4	US-09-311-021-107	882	5.3	47.4	5.3	Sequence 107, App
4	US-09-920-759-3	1933	5.3	47.4	5.3	Sequence 3, Appli
4	US-09-621-976-16099	304	5.3	47.2	5.3	Sequence 16099, A
4	US-09-621-976-16100	331	5.3	47.2	5.3	Sequence 16100, A
4	US-09-621-976-10009	289	5.3	47	5.3	Sequence 10009, A
4	US-09-621-976-16581	356	5.3	47	5.3	Sequence 16581, A
4	US-09-461-325-110	1525	5.3	47	5.3	Sequence 110, App
4	US-10-012-542-110	1525	5.3	47	5.3	Sequence 110, App
4	US-10-115-123-110	1525	5.3	47	5.3	Sequence 110, App
4	US-09-461-325-26	1949	5.3	47	5.3	Sequence 26, Appl
4	US-10-012-542-26	1949	5.3	47	5.3	Sequence 26, Appl
4	US-10-115-123-26	1949	5.3	47	5.3	Sequence 26, Appl
4	US-09-621-976-16779	185	5.2	46.8	5.2	Sequence 16779, A
4	US-09-482-273-58	1050	5.2	46.8	5.2	Sequence 58, Appl
4	US-09-780-717-28	1214	5.2	46.6	5.2	Sequence 28, Appl
4	US-09-482-273-102	1722	5.2	46.6	5.2	Sequence 102, App
4	US-09-482-273-81	1867	5.2	46.6	5.2	Sequence 81, Appl
4	US-09-949-016-15960	22010	5.2	46.6	5.2	Sequence 15960, A
4	US-09-311-021-29	539	5.2	46.4	5.2	Sequence 29, Appl
4	US-09-369-247-23	1492	5.2	46.4	5.2	Sequence 23, Appl
4	US-09-396-149-1	2497	5.2	46.4	5.2	Sequence 1, Appli
4	US-09-949-016-13477	232024	5.2	46.4	5.2	Sequence 13477, A
4	US-09-621-976-3119	284	5.2	46.2	5.2	Sequence 3119, Ap
3	US-09-157-603-4	1525	5.2	46.2	5.2	Sequence 4, Appli
3	US-09-587-436-4	1525	5.2	46.2	5.2	Sequence 4, Appli
3	US-08-927-165A-4	1525	5.2	46.2	5.2	Sequence 4, Appli
4	US-09-690-454-30	2026	5.2	46.2	5.2	Sequence 30, Appl
4	US-09-949-016-13076	28257	5.2	46.2	5.2	Sequence 13076, A
4	US-09-949-016-17553	106380	5.2	46.2	5.2	Sequence 17553, A
4	US-09-010-147B-5	550	5.2	46	5.2	Sequence 5, Appli
3	US-08-468-856B-7	1964	5.2	46	5.2	Sequence 7, Appli
3	US-08-468-859A-7	1964	5.2	46	5.2	Sequence 7, Appli
3	US-09-799-875-7	2389	5.2	46	5.2	Sequence 7, Appli
3	US-08-665-259-24	5894	5.2	46	5.2	Sequence 24, Appl
3	US-08-762-500-24	5894	5.2	46	5.2	Sequence 24, Appl
3	US-08-762-500-74	6525	5.2	46	5.2	Sequence 74, Appl
3	US-08-446-111D-15	40352	5.2	46	5.2	Sequence 15, Appl
3	US-09-443-077-15	40352	5.2	46	5.2	Sequence 15, Appl
4	US-09-949-016-14091	48994	5.2	46	5.2	Sequence 14091, A
4	US-09-949-016-15094	209210	5.2	46	5.2	Sequence 15094, A
1	US-08-308-883-1	857	5.1	45.8	5.1	Sequence 1, Appli
1	US-08-730-163-1	857	5.1	45.8	5.1	Sequence 1, Appli
3	US-08-256-799-1	857	5.1	45.8	5.1	Sequence 1, Appli
3	US-08-462-437-1	857	5.1	45.8	5.1	Sequence 1, Appli
4	US-09-328-965-1	1091	5.1	45.8	5.1	Sequence 1, Appli
1	US-08-351-473B-1	2000	5.1	45.8	5.1	Sequence 1, Appli
4	US-09-949-016-14033	784019	5.1	45.8	5.1	Sequence 14033, A
4	US-09-949-016-12777	828152	5.1	45.8	5.1	Sequence 12777, A
4	US-09-621-976-16536	213	5.1	45.6	5.1	Sequence 16536, A

101 45.6 5.1 3489 2 US-08-728-323A-1 Sequence 1, Appli
102 45.6 5.1 3489 3 US-09-298-568-1 Sequence 1, Appli
103 45.6 5.1 3489 4 US-09-410-399-1 Sequence 1, Appli
104 45.6 5.1 3489 4 US-09-894-273-1 Sequence 1, Appli
c 105 45.6 5.1 32207 2 US-08-770-379-20 Sequence 20, Appl
c 106 45.6 5.1 32207 3 US-08-757-669A-20 Sequence 20, Appl
c 107 45.6 5.1 32207 3 US-09-230-371A-20 Sequence 20, Appl
c 108 45.4 5.1 334 2 US-09-032-684-8 Sequence 8, Appli
c 109 45.4 5.1 334 4 US-09-644-460-8 Sequence 8, Appli
110 45.4 5.1 763 4 US-09-743-207-3 Sequence 3, Appli
111 45.4 5.1 1866 4 US-09-205-258-66 Sequence 66, Appl
112 45.4 5.1 3007 4 US-09-810-268-1 Sequence 1, Appli
113 45.4 5.1 7065 4 US-09-621-976-10277 Sequence 115, App
114 45.2 5.1 237 4 US-09-621-976-18330 Sequence 10277, A
115 45.2 5.1 261 4 US-09-621-976-18330 Sequence 18330, A
116 45.2 5.1 271 4 US-09-621-976-10380 Sequence 10380, A
117 45.2 5.1 276 4 US-09-621-976-18329 Sequence 18329, A
118 45.2 5.1 341 4 US-09-621-976-11000 Sequence 11000, A
c 119 45.2 5.1 1917 4 US-09-614-912-173 Sequence 173, App
120 45.2 5.1 2405 1 US-08-454-097-30 Sequence 30, Appl
121 45.2 5.1 2405 3 US-08-185-359-30 Sequence 30, Appl
122 45.2 5.1 2772 4 US-09-949-016-1042 Sequence 1042, Ap
123 45.2 5.1 3437 3 US-08-860-339-17 Sequence 17, Appl
124 45.2 5.1 3437 4 US-09-573-629-17 Sequence 17, Appl
125 45.2 5.1 3437 4 US-10-208-349-17 Sequence 17, Appl
126 45.2 5.1 6200 3 US-09-439-923-1 Sequence 1, Appli
127 45.2 5.1 6200 4 US-09-711-202A-1 Sequence 1, Appli
128 45.2 5.1 6200 4 US-09-711-205A-1 Sequence 1, Appli
129 45.2 5.1 43992 4 US-09-949-016-12172 Sequence 12172, A
130 45.2 5.1 43993 4 US-09-949-016-13406 Sequence 13406, A
131 45.2 5.1 177293 4 US-09-949-016-16513 Sequence 16513, A
132 45 5.0 231 4 US-09-621-976-16317 Sequence 16317, A
133 45 5.0 242 4 US-09-621-976-16320 Sequence 16320, A
134 45 5.0 242 4 US-09-621-976-16324 Sequence 16324, A
135 45 5.0 289 3 US-09-007-005-17 Sequence 17, Appl
136 45 5.0 289 3 US-09-244-796-17 Sequence 17, Appl
137 45 5.0 443 4 US-09-936-885A-1 Sequence 1, Appli
138 45 5.0 826 3 US-09-227-357-102 Sequence 102, App
139 45 5.0 2017 3 US-09-291-922-21 Sequence 21, Appl
140 45 5.0 300598 4 US-09-949-016-11868 Sequence 11868, A
141 45 5.0 302604 4 US-09-949-016-14588 Sequence 14588, A
142 45 5.0 302604 4 US-09-949-016-14589 Sequence 14589, A
143 45 5.0 308362 4 US-09-949-016-17119 Sequence 17119, A
144 44.8 5.0 132 4 US-09-621-976-13468 Sequence 13468, A
145 44.8 5.0 157 4 US-09-621-976-16781 Sequence 16781, A
146 44.8 5.0 190 4 US-09-621-976-16784 Sequence 16784, A
147 44.8 5.0 240 4 US-09-621-976-11148 Sequence 11148, A
148 44.8 5.0 832 3 US-09-152-060-27 Sequence 27, Appl
149 44.8 5.0 1039 4 US-09-464-535-23 Sequence 23, Appl
150 44.8 5.0 1509 3 US-09-149-476-179 Sequence 179, App
151 44.8 5.0 2060 4 US-09-345-473E-5 Sequence 5, Appli
152 44.8 5.0 2428 4 US-09-731-166-5 Sequence 5, Appli
153 44.8 5.0 2575 4 US-09-716-129-25 Sequence 25, Appl
154 44.8 5.0 2584 4 US-09-716-129-47 Sequence 47, Appl
155 44.6 5.0 728 3 US-09-091-097-5 Sequence 5, Appli
c 156 44.6 5.0 1472 4 US-09-270-767-14650 Sequence 14650, A
157 44.6 5.0 1503 4 US-09-907-794A-220 Sequence 220, App
158 44.6 5.0 1503 4 US-09-905-125A-220 Sequence 220, App
159 44.6 5.0 1503 4 US-09-902-775A-220 Sequence 220, App
160 44.6 5.0 1503 4 US-09-906-700-220 Sequence 220, App
161 44.6 5.0 1503 4 US-09-903-603A-220 Sequence 220, App
162 44.6 5.0 1503 4 US-09-904-920A-220 Sequence 220, App
163 44.6 5.0 1503 4 US-09-909-064-220 Sequence 220, App
164 44.6 5.0 1503 4 US-09-905-381A-220 Sequence 220, App
165 44.6 5.0 1503 4 US-09-906-618-220 Sequence 220, App
166 44.6 5.0 1505 1 US-07-915-246-1 Sequence 1, Appli
167 44.6 5.0 1676 4 US-09-902-540-8746 Sequence 8746, Ap
168 44.6 5.0 1931 3 US-09-019-942-2 Sequence 2, Appli
169 44.6 5.0 1931 3 US-09-099-041A-1 Sequence 1, Appli
170 44.6 5.0 1931 3 US-09-245-281-1 Sequence 1, Appli
171 44.6 5.0 1931 3 US-09-470-271-2 Sequence 2, Appli
172 44.6 5.0 1931 3 US-09-207-359B-1 Sequence 1, Appli
173 44.6 5.0 1931 4 US-09-340-620A-1 Sequence 1, Appli

174 44.6 5.0 1931 4 US-09-865-364-1 Sequence 1, Appli
175 44.6 5.0 1931 4 US-09-748-537-2 Sequence 2, Appli
176 44.6 5.0 2017 4 US-09-690-454-45 Sequence 45, Appl
177 44.6 5.0 2114 1 US-07-803-622E-6 Sequence 6, Appli
178 44.6 5.0 3366 4 US-09-596-141C-6 Sequence 6, Appli
179 44.6 5.0 3366 4 US-09-595-526C-6 Sequence 6, Appli
180 44.6 5.0 4931 3 US-08-726-320-2 Sequence 2, Appli
181 44.6 5.0 4931 3 US-09-208-716-2 Sequence 2, Appli
182 44.6 5.0 6409 4 US-09-967-908A-1 Sequence 1, Appli
183 44.6 5.0 6409 4 US-10-159-151-1 Sequence 1, Appli
184 44.6 5.0 7463 4 US-09-902-540-928 Sequence 928, App
185 44.6 5.0 10442 4 US-09-596-141C-1 Sequence 1, Appli
186 44.6 5.0 10442 4 US-09-595-526C-1 Sequence 1, Appli
187 44.6 5.0 10474 4 US-09-596-141C-7 Sequence 7, Appli
188 44.6 5.0 10474 4 US-09-596-141C-9 Sequence 9, Appli
189 44.6 5.0 10474 4 US-09-595-526C-7 Sequence 7, Appli
190 44.6 5.0 10474 4 US-09-595-526C-9 Sequence 9, Appli
191 44.6 5.0 139552 4 US-09-949-016-15300 Sequence 15300, A
c 192 44.6 5.0 202111 4 US-09-949-016-13877 Sequence 13877, A
193 44.4 5.0 530 4 US-09-461-325-28 Sequence 28, Appl
194 44.4 5.0 530 4 US-10-012-542-28 Sequence 28, Appl
195 44.4 5.0 530 4 US-10-115-123-28 Sequence 28, Appl
c 196 44.4 5.0 613 4 US-09-902-540-3080 Sequence 3080, Ap
197 44.4 5.0 1192 4 US-09-949-016-554 Sequence 554, App
198 44.4 5.0 1315 3 US-09-164-193-1 Sequence 1, Appli
199 44.4 5.0 1315 3 US-09-221-448A-1 Sequence 1, Appli
200 44.4 5.0 1446 4 US-09-593-359-1 Sequence 1, Appli
201 44.4 5.0 1581 3 US-09-313-300-1 Sequence 1, Appli
202 44.4 5.0 2045 3 US-09-152-060-22 Sequence 22, Appl
203 44.4 5.0 2186 3 US-09-360-545-66 Sequence 66, Appl
204 44.4 5.0 2438 4 US-09-393-634-4 Sequence 4, Appli
205 44.4 5.0 2516 4 US-09-949-016-766 Sequence 766, App
206 44.4 5.0 2943 3 US-09-404-879A-385 Sequence 385, App
207 44.4 5.0 2943 4 US-09-667-857-385 Sequence 385, App
208 44.4 5.0 3136 4 US-09-680-728-1 Sequence 1, Appli
209 44.4 5.0 3136 4 US-10-017-066A-1 Sequence 1, Appli
210 44.4 5.0 4064 4 US-09-873-737A-3 Sequence 3, Appli
211 44.4 5.0 6638 2 US-08-070-301-2 Sequence 2, Appli
c 212 44.4 5.0 7151 4 US-09-902-540-861 Sequence 861, App
c 213 44.4 5.0 35678 4 US-09-949-016-12786 Sequence 12786, A
c 214 44.4 5.0 35678 4 US-09-949-016-16757 Sequence 16757, A
c 215 44.4 5.0 35678 4 US-09-949-016-16758 Sequence 16758, A
c 216 44.4 5.0 58361 4 US-09-949-016-16755 Sequence 16755, A
c 217 44.4 5.0 58361 4 US-09-949-016-16756 Sequence 16756, A
c 218 44.4 5.0 71815 4 US-09-949-016-12501 Sequence 12501, A
c 219 44.4 5.0 73519 4 US-09-949-016-16344 Sequence 16344, A
c 220 44.4 5.0 105919 4 US-09-949-016-11769 Sequence 11769, A
221 44.2 4.9 162 4 US-09-621-976-7813 Sequence 7813, Ap
222 44.2 4.9 191 4 US-09-621-976-16760 Sequence 16760, A
223 44.2 4.9 194 4 US-09-621-976-16537 Sequence 16537, A
224 44.2 4.9 284 4 US-09-621-976-2901 Sequence 2901, Ap
225 44.2 4.9 491 4 US-09-311-021-191 Sequence 191, App
226 44.2 4.9 601 4 US-09-949-016-64656 Sequence 64656, A
227 44.2 4.9 795 4 US-09-270-767-14068 Sequence 14068, A
228 44.2 4.9 1035 2 US-08-580-545B-3 Sequence 3, Appli
229 44.2 4.9 1035 3 US-09-262-653A-3 Sequence 3, Appli
230 44.2 4.9 1035 3 US-08-867-484A-1 Sequence 1, Appli
231 44.2 4.9 1035 4 US-09-834-659-1 Sequence 1, Appli
232 44.2 4.9 1035 4 US-09-760-892-1 Sequence 1, Appli
233 44.2 4.9 1035 4 US-09-834-656-1 Sequence 1, Appli
234 44.2 4.9 1315 3 US-09-721-822A-10 Sequence 10, Appl
235 44.2 4.9 1370 3 US-09-026-408-12 Sequence 12, Appl
236 44.2 4.9 1370 4 US-09-902-684-12 Sequence 12, Appl
237 44.2 4.9 1371 3 US-09-026-408-1 Sequence 1, Appli
238 44.2 4.9 1371 4 US-09-902-684-1 Sequence 1, Appli
239 44.2 4.9 1408 4 US-10-000-489-11 Sequence 11, App
240 44.2 4.9 1540 4 US-09-560-761B-3 Sequence 3, Appli
241 44.2 4.9 2218 4 US-09-016-434-1157 Sequence 1157, Ap
242 44.2 4.9 2218 4 US-10-329-668-7 Sequence 7, Appli
243 44.2 4.9 2233 1 US-08-496-631-1 Sequence 1, Appli
244 44.2 4.9 2719 3 US-08-706-216-1 Sequence 1, Appli
245 44.2 4.9 2719 4 US-09-650-284B-1 Sequence 1, Appli
246 44.2 4.9 30350 4 US-10-118-328-3 Sequence 3, Appli

247 44.2 4.9 93894 4 US-09-949-016-13629 Sequence 13629, A
C 248 44 4.9 65 3 US-09-415-784-32 Sequence 32, Appl
C 249 44 4.9 65 3 US-09-415-785A-32 Sequence 32, Appl
C 250 44 4.9 65 3 US-08-944-465-32 Sequence 32, Appl
C 251 44 4.9 65 3 US-09-415-868-32 Sequence 32, Appl
C 252 44 4.9 65 3 US-09-415-900-32 Sequence 32, Appl
C 253 44 4.9 65 4 US-09-507-362-32 Sequence 32, Appl
C 254 44 4.9 141 4 US-09-621-976-17446 Sequence 17446, A
255 44 4.9 214 4 US-09-621-976-9843 Sequence 9843, Ap
256 44 4.9 286 4 US-09-774-639-47 Sequence 47, Appl
C 257 44 4.9 381 4 US-09-621-976-16650 Sequence 16650, A
258 44 4.9 495 4 US-09-220-132-186 Sequence 186, App
259 44 4.9 619 4 US-09-489-847-58 Sequence 58, Appl
260 44 4.9 966 1 US-08-514-014-7 Sequence 7, Appli
261 44 4.9 966 2 US-08-833-823-7 Sequence 7, Appli
262 44 4.9 1379 4 US-09-461-325-124 Sequence 124, App
263 44 4.9 1379 4 US-10-012-542-124 Sequence 124, App
264 44 4.9 1379 4 US-10-115-123-124 Sequence 124, App
265 44 4.9 1922 4 US-09-311-021-53 Sequence 53, Appl
266 44 4.9 2205 3 US-08-888-077A-41 Sequence 41, Appl
267 44 4.9 2955 4 US-09-350-457A-3 Sequence 3, Appli
268 44 4.9 18947 4 US-09-949-016-15106 Sequence 15106, A
C 269 44 4.9 33639 4 US-09-949-016-12514 Sequence 12514, A
270 43.8 4.9 130 4 US-09-621-976-17455 Sequence 17455, A
271 43.8 4.9 131 4 US-09-621-976-17453 Sequence 17453, A
272 43.8 4.9 140 4 US-09-621-976-17449 Sequence 17449, A
273 43.8 4.9 148 4 US-09-621-976-17447 Sequence 17447, A
274 43.8 4.9 148 4 US-09-621-976-17450 Sequence 17450, A
275 43.8 4.9 153 4 US-09-621-976-17451 Sequence 17451, A
276 43.8 4.9 193 4 US-09-621-976-10543 Sequence 10543, A
277 43.8 4.9 413 4 US-09-774-639-28 Sequence 28, Appl
278 43.8 4.9 601 4 US-09-949-016-166673 Sequence 166673, A
279 43.8 4.9 634 4 US-09-774-639-97 Sequence 97, Appl
280 43.8 4.9 1117 3 US-09-247-373B-33 Sequence 33, Appl
281 43.8 4.9 1279 3 US-09-248-335-25 Sequence 25, Appl
282 43.8 4.9 1325 1 US-08-306-691B-51 Sequence 51, Appl
283 43.8 4.9 1325 2 US-08-464-517-1 Sequence 1, Appli
284 43.8 4.9 1325 2 US-08-246-361A-1 Sequence 1, Appli
285 43.8 4.9 1325 2 US-08-463-772-1 Sequence 1, Appli
286 43.8 4.9 1325 5 PCT-US93-05000-1 Sequence 1, Appli
287 43.8 4.9 1626 4 US-09-482-273-29 Sequence 29, Appl
288 43.8 4.9 1910 2 US-09-009-438-1 Sequence 1, Appli
289 43.8 4.9 1910 3 US-09-207-493-1 Sequence 1, Appli
290 43.8 4.9 2020 4 US-09-716-129-29 Sequence 29, Appl
291 43.8 4.9 2830 2 US-09-010-928B-1 Sequence 1, Appli
292 43.8 4.9 3116 4 US-09-904-615-43 Sequence 43, Appl
293 43.8 4.9 10660 2 US-08-267-803B-8 Sequence 8, Appli
294 43.8 4.9 10660 3 US-09-041-886-16 Sequence 16, Appl
295 43.8 4.9 32010 4 US-09-949-016-13127 Sequence 13127, A
C 296 43.8 4.9 36618 4 US-09-949-016-12961 Sequence 12961, A
C 297 43.8 4.9 59319 4 US-09-949-016-16115 Sequence 16115, A
C 298 43.8 4.9 96202 4 US-09-949-016-16433 Sequence 16433, A
299 43.6 4.9 166 4 US-09-621-976-18390 Sequence 18390, A
300 43.6 4.9 173 4 US-09-621-976-15319 Sequence 15319, A
301 43.6 4.9 180 4 US-09-621-976-15320 Sequence 15320, A
302 43.6 4.9 194 4 US-09-621-976-15317 Sequence 15317, A
303 43.6 4.9 425 4 US-09-621-976-16712 Sequence 16712, A
304 43.6 4.9 666 4 US-09-902-540-7702 Sequence 7702, Ap
305 43.6 4.9 742 1 US-07-847-010-12 Sequence 12, Appl
306 43.6 4.9 974 2 US-08-504-459-13 Sequence 13, Appl
307 43.6 4.9 1196 4 US-09-270-767-14804 Sequence 14804, A
308 43.6 4.9 1206 3 US-09-465-558-53 Sequence 53, Appl
309 43.6 4.9 1697 4 US-09-345-473E-7 Sequence 7, Appli
310 43.6 4.9 1745 3 US-09-388-349-5 Sequence 5, Appli
311 43.6 4.9 1798 3 US-09-797-906-1 Sequence 1, Appli
312 43.6 4.9 2349 4 US-09-805-455-1 Sequence 1, Appli
313 43.6 4.9 4890 4 US-09-677-046A-3 Sequence 3, Appli
314 43.6 4.9 6100 4 US-09-949-016-11939 Sequence 11939, A
315 43.6 4.9 6100 4 US-09-949-016-16584 Sequence 16584, A
C 316 43.6 4.9 6404 4 US-09-902-540-760 Sequence 760, App
317 43.6 4.9 58782 4 US-09-949-016-16851 Sequence 16851, A
318 43.4 4.9 159 4 US-09-621-976-17448 Sequence 17448, A
319 43.4 4.9 377 4 US-09-621-976-18854 Sequence 18854, A

320 43.4 4.9 383 4 US-09-621-976-18856 Sequence 18856, A
321 43.4 4.9 391 4 US-09-621-976-18858 Sequence 18858, A
322 43.4 4.9 601 4 US-09-949-016-166672 Sequence 166672, A
323 43.4 4.9 938 4 US-09-828-995B-25 Sequence 25, Appl
C 324 43.4 4.9 938 4 US-09-828-995B-27 Sequence 27, Appl
325 43.4 4.9 949 4 US-09-489-847-35 Sequence 35, Appl
326 43.4 4.9 1034 4 US-09-311-021-105 Sequence 105, App
327 43.4 4.9 1248 4 US-09-489-847-101 Sequence 101, App
328 43.4 4.9 1414 4 US-09-501-115-5 Sequence 5, Appli
329 43.4 4.9 1588 4 US-09-490-291-7 Sequence 7, Appli
330 43.4 4.9 1653 3 US-09-345-469-2 Sequence 2, Appli
331 43.4 4.9 1660 4 US-09-461-325-129 Sequence 129, App
332 43.4 4.9 1660 4 US-10-012-542-129 Sequence 129, App
333 43.4 4.9 1660 4 US-10-115-123-129 Sequence 129, App
334 43.4 4.9 1736 3 US-09-182-816-22 Sequence 22, Appl
C 335 43.4 4.9 1736 3 US-09-182-816-24 Sequence 24, Appl
336 43.4 4.9 1736 3 US-09-471-528-22 Sequence 22, Appl
C 337 43.4 4.9 1736 3 US-09-471-528-24 Sequence 24, Appl
338 43.4 4.9 1736 3 US-09-634-530-22 Sequence 22, Appl
C 339 43.4 4.9 1736 3 US-09-634-530-24 Sequence 24, Appl
340 43.4 4.9 1817 1 US-08-473-981A-5 Sequence 5, Appli
341 43.4 4.9 1817 2 US-08-474-087-5 Sequence 5, Appli
342 43.4 4.9 2158 1 US-08-698-551-1 Sequence 1, Appli
343 43.4 4.9 2158 2 US-08-602-228-1 Sequence 1, Appli
344 43.4 4.9 2158 2 US-08-649-341A-1 Sequence 1, Appli
345 43.4 4.9 2158 2 US-08-494-440B-1 Sequence 1, Appli
346 43.4 4.9 2158 2 US-08-533-901B-1 Sequence 1, Appli
347 43.4 4.9 2158 2 US-08-839-032A-1 Sequence 1, Appli
348 43.4 4.9 2158 2 US-08-839-031A-1 Sequence 1, Appli
349 43.4 4.9 2158 3 US-09-185-258C-1 Sequence 1, Appli
350 43.4 4.9 2158 5 PCT-US95-12724-1 Sequence 1, Appli
351 43.4 4.9 2420 5 PCT-US93-00227-1 Sequence 1, Appli
C 352 43.4 4.9 78630 4 US-09-949-016-16790 Sequence 16790, A
C 353 43.4 4.9 87734 4 US-09-949-016-17521 Sequence 17521, A
354 43.4 4.9 186959 4 US-09-949-016-13125 Sequence 13125, A
C 355 43.2 4.8 80 3 US-09-284-627-15 Sequence 15, Appl
C 356 43.2 4.8 105 3 US-09-284-627-23 Sequence 23, Appl
357 43.2 4.8 178 4 US-09-621-976-15322 Sequence 15322, A
358 43.2 4.8 179 4 US-09-621-976-15323 Sequence 15323, A
359 43.2 4.8 226 4 US-09-621-976-10450 Sequence 10450, A
360 43.2 4.8 253 4 US-09-621-976-12799 Sequence 12799, A
361 43.2 4.8 328 4 US-09-621-976-16143 Sequence 16143, A
C 362 43.2 4.8 342 3 US-09-385-982-342 Sequence 342, App
C 363 43.2 4.8 395 3 US-09-195-106-21 Sequence 21, Appl
C 364 43.2 4.8 396 4 US-09-640-173-70 Sequence 70, Appl
C 365 43.2 4.8 396 4 US-09-713-550-70 Sequence 70, Appl
C 366 43.2 4.8 396 4 US-09-825-294-70 Sequence 70, Appl
C 367 43.2 4.8 396 4 US-09-970-966-70 Sequence 70, Appl
368 43.2 4.8 588 4 US-09-205-258-64 Sequence 64, Appl
C 369 43.2 4.8 601 4 US-09-949-016-62045 Sequence 62045, A
C 370 43.2 4.8 601 4 US-09-949-016-62046 Sequence 62046, A
C 371 43.2 4.8 647 3 US-09-495-050A-54 Sequence 54, Appl
372 43.2 4.8 732 3 US-09-149-476-66 Sequence 66, Appl
373 43.2 4.8 890 4 US-09-621-976-2725 Sequence 2725, Ap
374 43.2 4.8 972 3 US-09-549-831-5 Sequence 5, Appli
375 43.2 4.8 1174 2 US-08-872-437-1 Sequence 1, Appli
376 43.2 4.8 1174 3 US-08-651-136C-11 Sequence 11, Appl
377 43.2 4.8 1174 3 US-09-229-911A-11 Sequence 11, Appl
378 43.2 4.8 1223 3 US-09-154-874-4 Sequence 4, Appli
379 43.2 4.8 1223 4 US-08-931-668-4 Sequence 4, Appli
380 43.2 4.8 1223 4 US-09-468-175-4 Sequence 4, Appli
381 43.2 4.8 1313 3 US-09-149-476-112 Sequence 112, App
382 43.2 4.8 1332 2 US-09-057-762-1 Sequence 1, Appli
383 43.2 4.8 1332 3 US-08-326-119A-1 Sequence 1, Appli
384 43.2 4.8 1486 4 US-09-461-325-73 Sequence 73, Appl
385 43.2 4.8 1486 4 US-10-012-542-73 Sequence 73, Appl
386 43.2 4.8 1486 4 US-10-115-123-73 Sequence 73, Appl
387 43.2 4.8 1537 3 US-09-149-476-311 Sequence 311, App
388 43.2 4.8 1553 3 US-09-280-116-10 Sequence 10, Appl
389 43.2 4.8 2095 3 US-09-672-785-3 Sequence 3, Appli
390 43.2 4.8 2262 4 US-09-227-357-31 Sequence 31, Appl
391 43.2 4.8 2262 4 US-09-311-021-171 Sequence 171, App
392 43.2 4.8 2285 2 US-08-967-101-136 Sequence 136, App

393	43.2	4.8	2285	2	US-08-592-541-136	Sequence 136, App	466	43	4.8	12523	4	US-09-991-258-1	Sequence 1, Appli
394	43.2	4.8	2285	3	US-09-124-698-136	Sequence 136, App	467	43	4.8	13584	4	US-09-991-258-17	Sequence 17, Appl
395	43.2	4.8	2285	3	US-09-127-480-136	Sequence 136, App	468	43	4.8	13905	3	US-08-972-218-1	Sequence 1, Appli
396	43.2	4.8	2285	3	US-09-124-523-136	Sequence 136, App	469	43	4.8	13905	4	US-09-193-707-1	Sequence 1, Appli
397	43.2	4.8	2285	4	US-09-636-796A-136	Sequence 136, App	470	43	4.8	15722	4	US-09-949-016-16709	Sequence 16709, A
398	43.2	4.8	2445	4	US-09-949-016-781	Sequence 781, App	471	43	4.8	25333	4	US-09-949-016-14069	Sequence 14069, A
399	43.2	4.8	2539	4	US-10-144-198-21	Sequence 21, Appl	C 472	43	4.8	39085	4	US-09-949-016-14479	Sequence 14479, A
400	43.2	4.8	3238	3	US-08-123-934A-5	Sequence 5, Appli	C 473	43	4.8	39088	4	US-09-949-016-14373	Sequence 14373, A
401	43.2	4.8	3238	4	US-09-874-628-5	Sequence 5, Appli	C 474	43	4.8	48018	4	US-09-949-016-17573	Sequence 17573, A
402	43.2	4.8	3238	5	PCT-US94-10080-5	Sequence 5, Appli	C 475	43	4.8	77388	4	US-09-949-016-13496	Sequence 13496, A
403	43.2	4.8	3242	3	US-09-493-914-2	Sequence 2, Appli	C 476	43	4.8	115388	4	US-09-949-016-14981	Sequence 14981, A
C 404	43.2	4.8	4055	4	US-09-620-312D-706	Sequence 706, App	C 477	43	4.8	127771	4	US-09-949-016-14982	Sequence 14982, A
405	43.2	4.8	4874	4	US-09-187-330-2	Sequence 2, Appli	C 478	43	4.8	146401	4	US-09-949-016-16151	Sequence 16151, A
406	43.2	4.8	6112	4	US-09-495-714C-3	Sequence 3, Appli	C 479	43	4.8	187136	4	US-09-949-016-17231	Sequence 17231, A
407	43.2	4.8	99370	4	US-09-949-016-12816	Sequence 12816, A	C 480	43	4.8	393753	4	US-09-949-016-14573	Sequence 14573, A
408	43.2	4.8	99370	4	US-09-949-016-17540	Sequence 17540, A	C 481	43	4.8	393753	4	US-09-949-016-14574	Sequence 14574, A
C 409	43.2	4.8	236474	4	US-09-949-016-13418	Sequence 13418, A	C 482	43	4.8	818128	4	US-09-949-016-14546	Sequence 14546, A
C 410	43.2	4.8	314798	4	US-09-949-016-13539	Sequence 13539, A	C 483	43	4.8	818128	4	US-09-949-016-14547	Sequence 14547, A
411	43	4.8	117	4	US-09-621-976-9618	Sequence 9618, Ap	C 484	43	4.8	818128	4	US-09-949-016-14548	Sequence 14548, A
412	43	4.8	129	4	US-09-621-976-17454	Sequence 17454, A	C 485	43	4.8	818128	4	US-09-949-016-14549	Sequence 14549, A
413	43	4.8	144	4	US-09-621-976-17452	Sequence 17452, A	C 486	43	4.8	818128	4	US-09-949-016-14550	Sequence 14550, A
414	43	4.8	319	4	US-09-621-976-16129	Sequence 16129, A	C 487	43	4.8	818128	4	US-09-949-016-14551	Sequence 14551, A
415	43	4.8	572	4	US-09-696-169A-12	Sequence 12, Appl	C 488	43	4.8	818128	4	US-09-949-016-14552	Sequence 14552, A
C 416	43	4.8	601	4	US-09-949-016-59938	Sequence 59938, A	C 489	43	4.8	818128	4	US-09-949-016-14553	Sequence 14553, A
417	43	4.8	601	4	US-09-949-016-94523	Sequence 94523, A	C 490	43	4.8	818128	4	US-09-949-016-14554	Sequence 14554, A
C 418	43	4.8	601	4	US-09-949-016-117238	Sequence 117238, A	C 491	43	4.8	818128	4	US-09-949-016-14555	Sequence 14555, A
C 419	43	4.8	601	4	US-09-949-016-117307	Sequence 117307, A	C 492	43	4.8	818128	4	US-09-949-016-14556	Sequence 14556, A
420	43	4.8	776	4	US-09-902-331B-3	Sequence 3, Appli	C 493	43	4.8	818128	4	US-09-949-016-14557	Sequence 14557, A
C 421	43	4.8	1025	4	US-09-774-639-13	Sequence 13, Appl	C 494	43	4.8	818128	4	US-09-949-016-14558	Sequence 14558, A
422	43	4.8	1047	1	US-08-403-378B-3	Sequence 3, Appli	C 495	43	4.8	818128	4	US-09-949-016-14559	Sequence 14559, A
423	43	4.8	1065	4	US-09-774-639-102	Sequence 102, App	C 496	43	4.8	818128	4	US-09-949-016-14560	Sequence 14560, A
424	43	4.8	1095	4	US-09-774-639-60	Sequence 60, Appl	C 497	43	4.8	818128	4	US-09-949-016-14561	Sequence 14561, A
425	43	4.8	1193	3	US-09-372-422A-23	Sequence 23, Appl	C 498	43	4.8	818128	4	US-09-949-016-14562	Sequence 14562, A
426	43	4.8	1308	4	US-10-151-832-1	Sequence 1, Appli	C 499	43	4.8	818128	4	US-09-949-016-14564	Sequence 14564, A
427	43	4.8	1320	4	US-09-148-545-110	Sequence 110, App	C 500	43	4.8	818128	4	US-09-949-016-14565	Sequence 14565, A
428	43	4.8	1501	3	US-09-196-520-1	Sequence 1, Appli	C 501	43	4.8	818128	4	US-09-949-016-14566	Sequence 14566, A
429	43	4.8	1531	4	US-09-461-325-32	Sequence 32, Appl	C 502	43	4.8	818128	4	US-09-949-016-14567	Sequence 14567, A
430	43	4.8	1531	4	US-10-012-542-32	Sequence 32, Appl	503	42.8	4.8	105	2	US-08-735-381-2	Sequence 2, Appli
431	43	4.8	1531	4	US-10-115-123-32	Sequence 32, Appl	504	42.8	4.8	105	3	US-09-183-619-1	Sequence 1, Appli
432	43	4.8	1544	4	US-09-187-999-14	Sequence 14, Appl	505	42.8	4.8	105	3	US-09-201-674-2	Sequence 2, Appli
433	43	4.8	1565	4	US-09-417-251A-17	Sequence 17, Appl	506	42.8	4.8	130	4	US-09-621-976-12892	Sequence 12892, A
434	43	4.8	1670	4	US-09-023-655-980	Sequence 980, App	507	42.8	4.8	159	4	US-09-621-976-17182	Sequence 17182, A
435	43	4.8	1692	4	US-09-821-803A-5	Sequence 5, Appli	508	42.8	4.8	207	4	US-09-621-976-10240	Sequence 10240, A
436	43	4.8	1699	3	US-09-152-060-19	Sequence 19, Appl	509	42.8	4.8	299	4	US-09-621-976-16226	Sequence 16226, A
437	43	4.8	1723	4	US-09-461-325-98	Sequence 98, Appl	510	42.8	4.8	315	4	US-09-621-976-15329	Sequence 15329, A
438	43	4.8	1723	4	US-10-012-542-98	Sequence 98, Appl	511	42.8	4.8	362	4	US-09-621-976-16509	Sequence 16509, A
439	43	4.8	1723	4	US-10-115-123-98	Sequence 98, Appl	512	42.8	4.8	472	4	US-09-270-767-12212	Sequence 12212, A
440	43	4.8	2267	4	US-09-917-265A-107	Sequence 107, App	C 513	42.8	4.8	601	4	US-09-949-016-50473	Sequence 50473, A
C 441	43	4.8	2267	4	US-09-917-265A-109	Sequence 109, App	C 514	42.8	4.8	601	4	US-09-949-016-50475	Sequence 50475, A
C 442	43	4.8	2314	3	US-08-105-454-1	Sequence 1, Appli	C 515	42.8	4.8	601	4	US-09-949-016-127577	Sequence 127577, A
C 443	43	4.8	2314	4	US-09-949-016-772	Sequence 772, App	C 516	42.8	4.8	601	4	US-09-949-016-127914	Sequence 127914, A
444	43	4.8	2797	4	US-09-482-273-74	Sequence 74, Appl	C 517	42.8	4.8	601	4	US-09-949-016-179348	Sequence 179348, A
445	43	4.8	3159	3	US-09-437-054A-7	Sequence 7, Appli	C 518	42.8	4.8	601	4	US-09-949-016-179349	Sequence 179349, A
446	43	4.8	3200	1	US-08-444-405-1	Sequence 1, Appli	C 519	42.8	4.8	601	4	US-09-949-016-189491	Sequence 189491, A
447	43	4.8	3200	1	US-08-384-850-1	Sequence 1, Appli	520	42.8	4.8	748	1	US-08-361-467B-3	Sequence 3, Appli
448	43	4.8	4239	4	US-09-815-048-1	Sequence 1, Appli	521	42.8	4.8	748	1	US-08-484-332C-3	Sequence 3, Appli
449	43	4.8	5076	4	US-09-991-258-8	Sequence 8, Appli	522	42.8	4.8	941	4	US-09-205-258-186	Sequence 186, App
450	43	4.8	6989	4	US-09-991-258-11	Sequence 11, Appl	523	42.8	4.8	941	4	US-09-614-912-61	Sequence 61, Appl
451	43	4.8	7970	4	US-09-193-707-6	Sequence 6, Appli	524	42.8	4.8	1209	4	US-09-614-221A-3	Sequence 3, Appli
C 452	43	4.8	8230	4	US-09-949-016-14183	Sequence 14183, A	525	42.8	4.8	1355	4	US-09-614-221A-3	Sequence 3, Appli
453	43	4.8	9521	3	US-08-972-218-2	Sequence 2, Appli	526	42.8	4.8	1654	3	US-08-991-426-3	Sequence 3, Appli
454	43	4.8	9521	4	US-09-193-707-2	Sequence 2, Appli	527	42.8	4.8	1654	3	US-09-143-470-3	Sequence 3, Appli
455	43	4.8	9951	4	US-09-193-707-3	Sequence 3, Appli	528	42.8	4.8	1654	4	US-08-649-006A-3	Sequence 3, Appli
456	43	4.8	10524	4	US-09-193-707-4	Sequence 4, Appli	529	42.8	4.8	1654	4	US-09-771-023-3	Sequence 3, Appli
457	43	4.8	11282	4	US-09-733-042-1	Sequence 1, Appli	530	42.8	4.8	1747	1	US-08-176-620A-1	Sequence 1, Appli
458	43	4.8	11740	3	US-09-415-784-103	Sequence 103, App	531	42.8	4.8	1747	2	US-08-463-862-1	Sequence 1, Appli
459	43	4.8	11740	3	US-09-415-785A-103	Sequence 103, App	532	42.8	4.8	1747	2	US-08-461-985-1	Sequence 1, Appli
460	43	4.8	11740	3	US-08-944-465-103	Sequence 103, App	533	42.8	4.8	1747	3	US-08-458-887-1	Sequence 1, Appli
461	43	4.8	11740	3	US-09-415-868-103	Sequence 103, App	534	42.8	4.8	1747	3	US-08-932-787B-1	Sequence 1, Appli
462	43	4.8	11740	3	US-09-415-900-103	Sequence 103, App	535	42.8	4.8	1747	3	US-08-932-012C-1	Sequence 1, Appli
463	43	4.8	11740	4	US-09-507-362-103	Sequence 103, App	536	42.8	4.8	2025	3	US-08-888-818C-1	Sequence 1, Appli
464	43	4.8	11927	4	US-09-193-707-5	Sequence 5, Appli	537	42.8	4.8	2038	4	US-09-149-476-316	Sequence 316, App
465	43	4.8	12379	4	US-09-991-258-14	Sequence 14, Appl	538	42.8	4.8	2346	3	US-09-885-723-6	Sequence 6, Appli
												US-09-149-476-193	Sequence 193, App

539 US-09-575-081B-3 Sequence 3, Appli
540 Patent No. 5258287
541 Patent No. 5258287
542 Sequence 1, Appli
543 Sequence 1, Appli
544 Sequence 1, Appli
545 Sequence 17440, A
546 Sequence 17222, A
547 Sequence 16788, A
548 Sequence 17165, A
549 Sequence 13804, A
550 Sequence 15491, A
551 Sequence 15492, A
552 Sequence 17468, A
553 Sequence 17192, A
554 Sequence 13209, A
555 Sequence 11842, A
556 Sequence 12386, A
557 Sequence 16915, A
558 Sequence 13922, A
559 Sequence 13923, A
560 Sequence 13924, A
561 Sequence 13925, A
562 Sequence 13926, A
563 Sequence 14699, A
564 Sequence 14700, A
565 Sequence 14701, A
566 Sequence 14702, A
567 Sequence 14703, A
568 Sequence 15371, A
569 Sequence 15372, A
570 Sequence 801, App
571 Sequence 484, App
572 Sequence 18573, A
573 Sequence 9484, Ap
574 Sequence 44, Appl
575 Sequence 94522, A
576 Sequence 139328,
577 Sequence 139329,
578 Sequence 101, App
579 Sequence 79, Appl
580 Sequence 41, Appl
581 Sequence 1, Appli
582 Sequence 35, Appl
583 Sequence 29, Appl
584 Sequence 25, Appl
585 Sequence 25, Appl
586 Sequence 25, Appl
587 Sequence 25, Appl
588 Sequence 25, Appl
589 Sequence 8, Appli
590 Sequence 6, Appli
591 Sequence 17, Appl
592 Sequence 21, Appl
593 Sequence 19, Appl
594 Sequence 15547, A
595 Sequence 14108, A
596 Sequence 15797, A
597 Sequence 12808, A
598 Sequence 15681, A
599 Sequence 15830, A
600 Sequence 14182, A
601 Sequence 14577, A
602 Sequence 14578, A
603 Sequence 14592, A
604 Sequence 9850, Ap
605 Sequence 17184, A
606 Sequence 9595, Ap
607 Sequence 1047, Ap
608 Sequence 195, App
609 Sequence 195, App
610 Sequence 195, App
611 Sequence 195, App

612 42.4
613 42.4
614 42.4
615 42.4
616 42.4
617 42.4
618 42.4
619 42.4
620 42.4
621 42.4
622 42.4
623 42.4
624 42.4
625 42.4
626 42.4
627 42.4
628 42.4
629 42.4
630 42.4
631 42.4
632 42.4
633 42.4
634 42.4
635 42.4
636 42.4
637 42.4
638 42.4
639 42.4
640 42.4
641 42.4
642 42.4
643 42.4
644 42.4
645 42.4
646 42.4
647 42.4
648 42.4
649 42.4
650 42.4
651 42.4
652 42.4
653 42.4
654 42.4
655 42.4
656 42.4
657 42.4
658 42.4
659 42.4
660 42.4
661 42.4
662 42.4
663 42.4
664 42.4
665 42.4
666 42.4
667 42.4
668 42.4
669 42.4
670 42.4
671 42.4
672 42.4
673 42.4
674 42.4
675 42.4
676 42.4
677 42.4
678 42.4
679 42.4
680 42.4
681 42.4
682 42.4
683 42.4
684 42.4

Sequence 195, App
Sequence 195, App
Sequence 16456, A
Sequence 16131, A
Sequence 16141, A
Sequence 16135, A
Sequence 16136, A
Sequence 16140, A
Sequence 11475, A
Sequence 13, Appl
Sequence 13, Appl
Sequence 12, Appl
Sequence 13, Appl
Sequence 12, Appl
Sequence 15107, A
Sequence 97, Appl
Sequence 97, Appl
Sequence 97, Appl
Sequence 19183, A
Sequence 39283, A
Sequence 50474, A
Sequence 53509, A
Sequence 120655,
Sequence 120656,
Sequence 128770,
Sequence 128771,
Sequence 175118,
Sequence 198458,
Sequence 106, App
Sequence 26, Appl
Sequence 5, Appli
Sequence 227, App
Sequence 76, Appl
Sequence 3, Appli
Sequence 3, Appli
Sequence 21, Appl
Sequence 1, Appli
Sequence 1, Appli
Sequence 15, Appl
Sequence 175, App
Sequence 5, Appli
Sequence 3, Appli
Sequence 11, Appl
Sequence 134, App
Sequence 27, Appl
Sequence 1, Appli
Sequence 1, Appli
Sequence 53, Appl
Sequence 53, Appl
Sequence 786, App
Sequence 13273, A
Sequence 1, Appli
Sequence 13170, A
Sequence 11788, A
Sequence 16060, A
Sequence 1204, Ap
Sequence 12832, A
Sequence 16704, A
Sequence 12018, A
Sequence 13101, A
Sequence 13241, A
Sequence 16158, A
Sequence 13285, A
Sequence 12755, A
Sequence 13501, A
Sequence 12541, A
Sequence 15348, A
Sequence 15349, A
Sequence 15350, A
Sequence 15507, A
Sequence 15508, A
Sequence 15509, A
Sequence 14881, A

C	831	41.8	4.7	396	4	US-09-713-550-19
C	832	41.8	4.7	396	4	US-09-713-550-27
C	833	41.8	4.7	396	4	US-09-713-550-42
C	834	41.8	4.7	396	4	US-09-825-294-19
C	835	41.8	4.7	396	4	US-09-825-294-27
C	836	41.8	4.7	396	4	US-09-825-294-42
C	837	41.8	4.7	396	4	US-09-970-966-19
C	838	41.8	4.7	396	4	US-09-970-966-27
C	839	41.8	4.7	396	4	US-09-970-966-42
	840	41.8	4.7	444	3	US-08-688-988-44
	841	41.8	4.7	675	4	US-09-800-729-21
	842	41.8	4.7	780	2	US-08-540-804-36
	843	41.8	4.7	780	3	US-08-590-399-36
C	844	41.8	4.7	844	4	US-09-690-942-3
	845	41.8	4.7	1024	4	US-09-328-475C-50
	846	41.8	4.7	1069	4	US-09-205-258-74
	847	41.8	4.7	1265	3	US-08-991-789A-169
	848	41.8	4.7	1265	3	US-09-062-451-169
	849	41.8	4.7	1265	3	US-09-598-326-169
	850	41.8	4.7	1265	4	US-09-289-198-169
	851	41.8	4.7	1265	4	US-09-429-755-169
	852	41.8	4.7	1265	4	US-09-699-295-169
	853	41.8	4.7	1326	4	US-10-024-806-1
	854	41.8	4.7	1364	1	US-08-265-087-3
	855	41.8	4.7	1364	1	US-08-621-493-3
	856	41.8	4.7	1364	2	US-08-965-688-3
	857	41.8	4.7	1364	3	US-09-260-173-3
C	858	41.8	4.7	1387	4	US-09-567-003C-19
	859	41.8	4.7	1395	4	US-09-924-703-5
	860	41.8	4.7	1493	1	US-08-340-820-24
	861	41.8	4.7	1493	1	US-08-593-535-24
	862	41.8	4.7	1505	2	US-08-909-965C-13
	863	41.8	4.7	1602	1	US-08-530-950-3
	864	41.8	4.7	1602	3	US-08-888-429A-3
	865	41.8	4.7	1602	3	US-09-149-879-3
	866	41.8	4.7	1602	4	US-09-057-009-3
	867	41.8	4.7	1602	4	US-09-593-653-3
	868	41.8	4.7	1746	4	US-09-485-529-57
	869	41.8	4.7	1768	4	US-09-485-529-13
	870	41.8	4.7	1842	4	US-09-482-273-90
	871	41.8	4.7	2049	4	US-09-171-545-23
	872	41.8	4.7	2082	2	US-08-785-310A-2
	873	41.8	4.7	2091	3	US-09-813-818-1
	874	41.8	4.7	2091	4	US-10-199-333-1
	875	41.8	4.7	2625	4	US-09-270-767-10080
	876	41.8	4.7	2665	3	US-08-971-089-5
	877	41.8	4.7	2931	4	US-09-623-624-1
	878	41.8	4.7	2931	4	US-10-270-595-1
	879	41.8	4.7	3124	3	US-09-734-030-1
	880	41.8	4.7	3124	4	US-10-153-921-1
	881	41.8	4.7	3124	4	US-10-669-689-1
	882	41.8	4.7	4665	3	US-08-948-378A-7
	883	41.8	4.7	4665	3	US-09-169-425C-7
	884	41.8	4.7	4665	4	US-09-759-960-7
	885	41.8	4.7	15450	4	US-09-470-661A-1
C	886	41.8	4.7	29965	4	US-09-949-016-11953
C	887	41.8	4.7	29966	4	US-09-949-016-16728
	888	41.8	4.7	48181	4	US-09-949-016-16863
	889	41.8	4.7	62908	4	US-09-949-016-17554
	890	41.8	4.7	87774	4	US-09-949-016-12821

Sequence 19, Appl	904	41.6	4.7	166	4	US-09-621-976-8651
Sequence 27, Appl	905	41.6	4.7	182	4	US-09-621-976-16234
Sequence 42, Appl	906	41.6	4.7	191	4	US-09-621-976-13456
Sequence 19, Appl	907	41.6	4.7	199	4	US-09-702-705-102
Sequence 27, Appl	908	41.6	4.7	199	4	US-09-736-457-102
Sequence 42, Appl	909	41.6	4.7	199	4	US-09-614-124B-102
Sequence 19, Appl	910	41.6	4.7	199	4	US-09-671-325-102
Sequence 27, Appl	911	41.6	4.7	199	4	US-09-589-184-102
Sequence 42, Appl	912	41.6	4.7	199	4	US-09-658-824-102
Sequence 44, Appl	913	41.6	4.7	208	1	US-08-686-878A-37
Sequence 21, Appl	914	41.6	4.7	208	3	US-09-175-928-37
Sequence 36, Appl	915	41.6	4.7	215	4	US-09-621-976-15321
Sequence 36, Appl	916	41.6	4.7	328	4	US-09-621-976-16144
Sequence 3, Appl	917	41.6	4.7	396	4	US-09-640-173-10
Sequence 50, Appl	918	41.6	4.7	396	4	US-09-713-550-10
Sequence 74, Appl	919	41.6	4.7	396	4	US-09-825-294-10
Sequence 169, App	920	41.6	4.7	396	4	US-09-970-966-10
Sequence 169, App	921	41.6	4.7	711	4	US-09-621-976-17854
Sequence 169, App	922	41.6	4.7	773	3	US-09-149-476-20
Sequence 169, App	923	41.6	4.7	803	4	US-09-800-729-60
Sequence 169, App	924	41.6	4.7	831	4	US-09-904-615-25
Sequence 169, App	925	41.6	4.7	1001	1	US-08-728-259A-10
Sequence 1, Appl	926	41.6	4.7	1001	2	US-08-473-486-10
Sequence 3, Appl	927	41.6	4.7	1143	3	US-09-149-476-119
Sequence 3, Appl	928	41.6	4.7	1212	3	US-09-182-145-34
Sequence 3, Appl	929	41.6	4.7	1212	3	US-09-182-145-35
Sequence 3, Appl	930	41.6	4.7	1244	4	US-09-265-540E-3
Sequence 19, Appl	931	41.6	4.7	1332	3	US-09-333-423-1
Sequence 5, Appl	932	41.6	4.7	1335	3	US-09-740-028A-1
Sequence 24, Appl	933	41.6	4.7	1335	4	US-10-118-037-1
Sequence 24, Appl	934	41.6	4.7	1393	1	US-07-602-824A-1
Sequence 13, Appl	935	41.6	4.7	1393	1	US-07-983-451-1
Sequence 3, Appl	936	41.6	4.7	1393	1	US-08-261-577-6
Sequence 3, Appl	937	41.6	4.7	1416	4	US-09-902-540-7224
Sequence 3, Appl	938	41.6	4.7	1454	4	US-09-614-912-63
Sequence 3, Appl	939	41.6	4.7	1733	3	US-09-073-569-1
Sequence 3, Appl	940	41.6	4.7	1794	3	US-09-342-647-3
Sequence 57, Appl	941	41.6	4.7	1913	4	US-09-461-325-470
Sequence 13, Appl	942	41.6	4.7	1913	4	US-10-012-542-470
Sequence 90, Appl	943	41.6	4.7	1913	4	US-10-115-123-470
Sequence 23, Appl	944	41.6	4.7	2255	3	US-08-871-572B-3
Sequence 2, Appl	945	41.6	4.7	2288	4	US-09-800-729-24
Sequence 1, Appl	946	41.6	4.7	2311	4	US-09-614-912-91
Sequence 1, Appl	947	41.6	4.7	2793	1	US-08-209-747-1
Sequence 10080, A	948	41.6	4.7	2793	1	US-08-458-298-1
Sequence 5, Appl	949	41.6	4.7	2851	3	US-09-535-521-1
Sequence 1, Appl	950	41.6	4.7	2851	3	US-09-535-521-3
Sequence 1, Appl	951	41.6	4.7	3686	4	US-09-949-016-906
Sequence 1, Appl	952	41.6	4.7	3994	4	US-09-738-946-7
Sequence 1, Appl	953	41.6	4.7	4235	4	US-09-702-705-317
Sequence 1, Appl	954	41.6	4.7	4235	4	US-09-736-457-317
Sequence 7, Appl	955	41.6	4.7	4235	4	US-09-614-124B-317
Sequence 7, Appl	956	41.6	4.7	4235	4	US-09-671-325-317
Sequence 7, Appl	957	41.6	4.7	4235	4	US-09-589-184-317
Sequence 1, Appl	958	41.6	4.7	4235	4	US-09-658-824-317
Sequence 11953, A	959	41.6	4.7	4377	4	US-09-902-540-676
Sequence 16728, A	960	41.6	4.7	4494	4	US-09-620-312D-861
Sequence 16863, A	961	41.6	4.7	4860	4	US-09-949-016-296
Sequence 17554, A	962	41.6	4.7	5613	2	US-08-463-418-1
Sequence 12821, A	963	41.6	4.7	5962	6	5386025-5
Sequence 13593, A	964	41.6	4.7	5962	6	5386025-5
Sequence 15684, A	965	41.6	4.7	5975	1	US-08-404-354B-1
Sequence 12683, A	966	41.6	4.7	5975	1	US-08-314-083B-1
Sequence 13194, A	967	41.6	4.7	5975	1	US-08-435-675B-1
Sequence 16038, A	968	41.6	4.7	5975	1	US-08-336-257A-3
Sequence 31, Appl	969	41.6	4.7	5975	3	US-08-884-599-1
Sequence 34, Appl	970	41.6	4.7	31739	4	US-09-949-016-16226
Sequence 7751, Ap	971	41.6	4.7	41736	4	US-09-949-016-17091
Sequence 7748, Ap	972	41.6	4.7	49971	4	US-09-949-016-16688
Sequence 10271, A	973	41.6	4.7	52667	4	US-09-949-016-12019
Sequence 8623, Ap	974	41.6	4.7	91538	4	US-09-949-016-15703
Sequence 8655, Ap	975	41.6	4.7	107140	4	US-09-949-016-14834
Sequence 8070, Ap	976	41.6	4.7	112507	4	US-09-949-016-12420

Sequence 8651, A	Sequence 16234, A	Sequence 13456, A	Sequence 102, App	Sequence 102, App	Sequence 102, App	Sequence 102, App	Sequence 102, App	Sequence 102, App	Sequence 102, App	Sequence 37, Appl	Sequence 37, Appl	Sequence 15321, A	Sequence 16144, A	Sequence 10, Appl	Sequence 10, Appl	Sequence 10, Appl	Sequence 10, Appl	Sequence 10, Appl	Sequence 17854, A	Sequence 20, Appl	Sequence 60, Appl	Sequence 25, Appl	Sequence 10, Appl	Sequence 10, Appl	Sequence 119, App	Sequence 34, Appl	Sequence 35, Appl	Sequence 3, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 6, Appli	Sequence 7224, Ap	Sequence 63, Appl	Sequence 1, Appli	Sequence 3, Appli	Sequence 470, App	Sequence 470, App	Sequence 470, App	Sequence 3, Appli	Sequence 24, Appl	Sequence 91, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 3, Appli	Sequence 906, App	Sequence 7, Appli	Sequence 317, App	Sequence 317, App	Sequence 317, App	Sequence 317, App	Sequence 317, App	Sequence 317, App	Sequence 861, App	Sequence 296, App	Sequence 1, Appli	Patent No. 5386025	Patent No. 5386025	Sequence 1, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 3, Appli	Sequence 1, Appli	Sequence 16226, A	Sequence 17091, A	Sequence 16688, A	Sequence 12019, A	Sequence 15703, A	Sequence 14834, A	Sequence 12420, A
------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	--------------------	--------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

c1269 41.2 4.6 38814 4 US-09-949-016-13471 Sequence 13471, A
1270 41.2 4.6 41755 4 US-09-949-016-15728 Sequence 15728, A
1271 41.2 4.6 45197 4 US-09-949-016-16208 Sequence 16208, A
c1272 41.2 4.6 48763 4 US-09-916-204-3 Sequence 3, Appli
c1273 41.2 4.6 48763 4 US-10-282-048-3 Sequence 3, Appli
1274 41.2 4.6 49440 4 US-09-949-016-14150 Sequence 14150, A
c1275 41.2 4.6 50263 4 US-09-949-016-13563 Sequence 13563, A
1276 41.2 4.6 51403 4 US-09-949-016-15057 Sequence 15057, A
c1277 41.2 4.6 52971 4 US-09-949-016-16452 Sequence 16452, A
c1278 41.2 4.6 56939 4 US-09-949-016-13613 Sequence 13613, A
1279 41.2 4.6 66213 4 US-09-949-016-11803 Sequence 11803, A
1280 41.2 4.6 66213 4 US-09-949-016-16739 Sequence 16739, A
1281 41.2 4.6 72742 4 US-09-949-016-16161 Sequence 16161, A
1282 41.2 4.6 72992 4 US-09-949-016-17592 Sequence 17592, A
c1283 41.2 4.6 76281 4 US-09-949-016-12708 Sequence 12708, A
1284 41.2 4.6 106929 4 US-09-949-016-12060 Sequence 12060, A
1285 41.2 4.6 106929 4 US-09-949-016-16618 Sequence 16618, A
1286 41.2 4.6 142783 4 US-09-949-016-15127 Sequence 15127, A
c1287 41.2 4.6 174493 4 US-09-804-471A-3 Sequence 3, Appli
c1288 41.2 4.6 174493 4 US-10-238-709-3 Sequence 3, Appli
c1289 41.2 4.6 194915 4 US-09-949-016-15584 Sequence 15584, A
c1290 41.2 4.6 219964 4 US-09-949-016-15086 Sequence 15086, A
c1291 41.2 4.6 304533 4 US-09-949-016-15371 Sequence 15371, A
c1292 41.2 4.6 304533 4 US-09-949-016-15372 Sequence 15372, A
1293 41.2 4.6 346112 4 US-09-949-016-13165 Sequence 13165, A
1294 41.2 4.6 455726 4 US-09-949-016-14157 Sequence 14157, A
1295 41.2 4.6 481115 4 US-09-949-016-11940 Sequence 11940, A
c1296 41.2 4.6 524032 4 US-09-949-016-16928 Sequence 16928, A
c1297 41.2 4.6 524032 4 US-09-949-016-16929 Sequence 16929, A
c1298 41.2 4.6 524032 4 US-09-949-016-16930 Sequence 16930, A
c1299 41.2 4.6 524032 4 US-09-949-016-16931 Sequence 16931, A
c1300 41.2 4.6 529885 4 US-09-949-016-14340 Sequence 14340, A
c1301 41.2 4.6 529885 4 US-09-949-016-14341 Sequence 14341, A
c1302 41.2 4.6 529885 4 US-09-949-016-14342 Sequence 14342, A
c1303 41.2 4.6 529885 4 US-09-949-016-14343 Sequence 14343, A
c1304 41.2 4.6 529885 4 US-09-949-016-14344 Sequence 14344, A
c1305 41.2 4.6 529885 4 US-09-949-016-14345 Sequence 14345, A
c1306 41.2 4.6 529885 4 US-09-949-016-14346 Sequence 14346, A
c1307 41.2 4.6 529885 4 US-09-949-016-14347 Sequence 14347, A
c1308 41 52 3 US-09-415-784-23 Sequence 23, Appl
c1309 41 4.6 52 3 US-09-415-785A-23 Sequence 23, Appl
c1310 41 4.6 52 3 US-08-944-465-23 Sequence 23, Appl
c1311 41 4.6 52 3 US-09-415-868-23 Sequence 23, Appl
c1312 41 4.6 52 3 US-09-415-900-23 Sequence 23, Appl
c1313 41 4.6 52 4 US-09-507-362-23 Sequence 23, Appl
1314 41 4.6 84 1 US-08-664-596B-3 Sequence 3, Appli
1315 41 4.6 84 1 US-08-738-367-3 Sequence 3, Appli
1316 41 4.6 188 4 US-09-621-976-10364 Sequence 10364, A
1317 41 4.6 232 4 US-09-621-976-17701 Sequence 17701, A
1318 41 4.6 279 4 US-09-621-976-17626 Sequence 17626, A
1319 41 4.6 323 4 US-09-621-976-10374 Sequence 10374, A
1320 41 4.6 332 4 US-09-621-976-16031 Sequence 16031, A
1321 41 4.6 349 4 US-09-621-976-16832 Sequence 16832, A
1322 41 4.6 365 4 US-09-621-976-14699 Sequence 14699, A
c1323 41 4.6 396 4 US-09-640-173-16 Sequence 16, Appl
c1324 41 4.6 396 4 US-09-640-173-57 Sequence 57, Appl
c1325 41 4.6 396 4 US-09-713-550-16 Sequence 16, Appl
c1326 41 4.6 396 4 US-09-713-550-57 Sequence 57, Appl
c1327 41 4.6 396 4 US-09-825-294-16 Sequence 16, Appl
c1328 41 4.6 396 4 US-09-825-294-57 Sequence 57, Appl
c1329 41 4.6 396 4 US-09-970-966-16 Sequence 16, Appl
c1330 41 4.6 396 4 US-09-970-966-57 Sequence 57, Appl
1331 41 4.6 569 4 US-09-461-325-44 Sequence 44, Appl
1332 41 4.6 569 4 US-10-012-542-44 Sequence 44, Appl
1333 41 4.6 569 4 US-10-115-123-44 Sequence 44, Appl
1334 41 4.6 581 2 US-08-557-309B-22 Sequence 22, Appl
1335 41 4.6 581 3 US-08-834-306-22 Sequence 22, Appl
1336 41 4.6 581 3 US-08-993-674A-22 Sequence 22, Appl
1337 41 4.6 581 3 US-09-256-976-22 Sequence 22, Appl
c1338 41 4.6 601 4 US-09-949-016-25473 Sequence 25473, A
c1339 41 4.6 601 4 US-09-949-016-48779 Sequence 48779, A
1340 41 4.6 601 4 US-09-949-016-70342 Sequence 70342, A
c1341 41 4.6 601 4 US-09-949-016-73651 Sequence 73651, A

c1342 41 4.6 601 4 US-09-949-016-79920 Sequence 79920, A
c1343 41 4.6 601 4 US-09-949-016-86023 Sequence 86023, A
c1344 41 4.6 601 4 US-09-949-016-86024 Sequence 86024, A
c1345 41 4.6 601 4 US-09-949-016-86025 Sequence 86025, A
c1346 41 4.6 601 4 US-09-949-016-162840 Sequence 162840, A
1347 41 4.6 601 4 US-09-949-016-184726 Sequence 184726, A
1348 41 4.6 684 1 US-08-226-264-27 Sequence 27, Appl
c1349 41 4.6 685 3 US-09-227-357-66 Sequence 66, Appl
1350 41 4.6 734 4 US-09-949-016-413 Sequence 413, App
1351 41 4.6 737 4 US-09-148-545-127 Sequence 127, App
1352 41 4.6 780 4 US-09-454-279-17 Sequence 17, Appl
1353 41 4.6 921 3 US-09-227-357-30 Sequence 30, Appl
1354 41 4.6 931 4 US-09-482-273-31 Sequence 31, Appl
1355 41 4.6 943 3 US-09-149-476-35 Sequence 35, Appl
1356 41 4.6 975 3 US-09-381-488-6 Sequence 6, Appli
1357 41 4.6 1046 1 US-08-361-467B-4 Sequence 4, Appli
1358 41 4.6 1046 1 US-08-484-332C-4 Sequence 4, Appli
1359 41 4.6 1118 4 US-09-614-912-181 Sequence 181, App
1360 41 4.6 1294 3 US-09-425-578-1 Sequence 1, Appli
1361 41 4.6 1319 2 US-08-504-459-7 Sequence 7, Appli
1362 41 4.6 1375 3 US-09-372-422A-37 Sequence 37, Appl
1363 41 4.6 1378 3 US-09-149-476-208 Sequence 208, App
1364 41 4.6 1389 3 US-09-463-238-12 Sequence 12, Appl
1365 41 4.6 1395 2 US-08-553-367A-1 Sequence 1, Appli
1366 41 4.6 1395 3 US-09-295-306-1 Sequence 1, Appli
1367 41 4.6 1395 3 US-09-734-719-1 Sequence 1, Appli
1368 41 4.6 1396 4 US-09-482-273-21 Sequence 21, Appl
1369 41 4.6 1512 4 US-09-482-273-18 Sequence 18, Appl
1370 41 4.6 1713 3 US-09-000-062-1 Sequence 1, Appli
1371 41 4.6 1713 4 US-08-945-144A-1 Sequence 1, Appli
1372 41 4.6 1866 4 US-09-673-395A-24 Sequence 24, Appl
1373 41 4.6 1882 4 US-09-419-679-3 Sequence 3, Appli
1374 41 4.6 1886 4 US-09-594-506-31 Sequence 31, Appl
1375 41 4.6 2080 4 US-10-003-392-1 Sequence 1, Appli
1376 41 4.6 2296 3 US-08-496-841C-137 Sequence 137, App
1377 41 4.6 2312 4 US-09-631-594-45 Sequence 45, Appl
1378 41 4.6 2323 3 US-09-149-476-24 Sequence 24, Appl
1379 41 4.6 2481 2 US-08-630-118A-1 Sequence 1, Appli
1380 41 4.6 2481 2 US-08-838-399-1 Sequence 1, Appli
1381 41 4.6 2481 3 US-09-235-839-1 Sequence 1, Appli
1382 41 4.6 2481 3 US-09-327-035-1 Sequence 1, Appli
1383 41 4.6 2604 2 US-08-630-118A-3 Sequence 3, Appli
1384 41 4.6 2604 2 US-08-838-399-3 Sequence 3, Appli
1385 41 4.6 2604 3 US-09-235-839-3 Sequence 3, Appli
1386 41 4.6 2604 3 US-09-327-035-3 Sequence 3, Appli
1387 41 4.6 2628 2 US-08-696-944-1 Sequence 1, Appli
1388 41 4.6 2806 3 US-09-653-839-9 Sequence 9, Appli
1389 41 4.6 2806 4 US-10-202-619-9 Sequence 9, Appli
1390 41 4.6 2880 3 US-09-115-954-3 Sequence 3, Appli
1391 41 4.6 3116 4 US-09-311-021-187 Sequence 187, App
1392 41 4.6 3704 2 US-09-014-969-20 Sequence 20, Appl
1393 41 4.6 3842 3 US-09-115-954-7 Sequence 7, Appli
1394 41 4.6 3912 3 US-09-115-954-1 Sequence 1, Appli
1395 41 4.6 3927 3 US-09-293-238B-1 Sequence 1, Appli
1396 41 4.6 3933 1 US-08-199-776-1 Sequence 1, Appli
1397 41 4.6 3933 3 US-08-663-731-1 Sequence 1, Appli
1398 41 4.6 3933 3 US-08-879-338-1 Sequence 1, Appli
1399 41 4.6 3933 5 PCT-US95-02044-1 Sequence 1, Appli
1400 41 4.6 4827 4 US-09-949-016-525 Sequence 525, App
c1401 41 4.6 17318 4 US-09-949-016-13817 Sequence 13817, A
c1402 41 4.6 20316 4 US-09-949-016-14360 Sequence 14360, A
c1403 41 4.6 28109 4 US-09-949-016-14329 Sequence 14329, A
1404 41 4.6 32414 4 US-09-949-016-16443 Sequence 16443, A
c1405 41 4.6 40546 4 US-09-949-016-12847 Sequence 12847, A
c1406 41 4.6 40546 4 US-09-949-016-12915 Sequence 12915, A
1407 41 4.6 50109 4 US-09-949-016-14112 Sequence 14112, A
c1408 41 4.6 54245 4 US-09-949-016-13499 Sequence 13499, A
c1409 41 4.6 92155 4 US-09-949-016-17484 Sequence 17484, A
c1410 41 4.6 107458 4 US-09-949-016-15687 Sequence 15687, A
1411 41 4.6 118143 4 US-09-949-016-17196 Sequence 17196, A
c1412 41 4.6 121970 4 US-09-949-016-17216 Sequence 17216, A
1413 41 4.6 150780 4 US-09-949-016-14711 Sequence 14711, A
c1414 41 4.6 153866 4 US-09-949-016-16919 Sequence 16919, A

1488	40.8	4.6	1639	3	US-09-362-473-5	Sequence 17057, A
1489	40.8	4.6	1738	2	US-08-379-482A-2	Sequence 13266, A
1490	40.8	4.6	1771	4	US-09-907-794A-158	Sequence 12822, A
1491	40.8	4.6	1771	4	US-09-856-028-36	Sequence 15524, A
1492	40.8	4.6	1771	4	US-09-905-125A-158	Sequence 13922, A
1493	40.8	4.6	1771	4	US-09-902-775A-158	Sequence 13923, A
1494	40.8	4.6	1771	4	US-09-906-700-158	Sequence 13924, A
1495	40.8	4.6	1771	4	US-09-944-457-36	Sequence 13925, A
1496	40.8	4.6	1771	4	US-09-903-603A-158	Sequence 13926, A
1497	40.8	4.6	1771	4	US-09-904-920A-158	Sequence 14699, A
1498	40.8	4.6	1771	4	US-09-909-064-158	Sequence 14700, A
1499	40.8	4.6	1771	4	US-09-905-381A-158	Sequence 14701, A
1500	40.8	4.6	1771	4	US-09-906-618-158	Sequence 14702, A
ALIGNMENTS						
RESULT 1						
US-09-919-039-349						
; Sequence 349, Application US/09919039						
; Patent No. 6727066						
; GENERAL INFORMATION:						
; APPLICANT: Kaser, Matthew R.						
; TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES						
; FILE REFERENCE: PA-0035 US						
; CURRENT APPLICATION NUMBER: US/09/919,039						
; CURRENT FILING DATE: 2002-09-09						
; PRIOR APPLICATION NUMBER: 60/222,113						
; PRIOR FILING DATE: 2000-07-28						
; NUMBER OF SEQ ID NOS: 401						
; SOFTWARE: PERL Program						
; SEQ ID NO 349						
; LENGTH: 875						
; TYPE: DNA						
; ORGANISM: Homo sapiens						
; FEATURE:						
; NAME/KEY: misc feature						
; OTHER INFORMATION: Incyte ID No. 6727066 027619.3						
; FEATURE:						
; NAME/KEY: unsure						
; LOCATION: 844, 847						
; OTHER INFORMATION: a, t, c, g, or other						
US-09-919-039-349						
Query Match 94.4%; Score 843.4; DB 4; Length 875;						
Best Local Similarity 99.4%; Pred. No. 1.6e-188;						
Matches 866; Conservative 0; Mismatches 3; Indels 2; Gaps 2;						
Qy	1	GT	CATGCCAGTGCCTGCTCTGTGCTGCTCTGTGGCCCTT-GGCAATGGTGACCCGGCCTGC	59		
Db	5	GT	CATGCCAGTGCCTGCTCTGTGCTGCTGCTCTGTGGCCCTTGGCAATGGTGACCCGGCCTGC	64		
Qy	60	CT	CAGCGGCCCCCATGGCGGCCAGAACTGGCACAGCATGAGGAGCTGACCCCTGCTCTT	119		
Db	65	CT	CAGCGGCCCCCATGGCGGCCAGAACTGGCACAGCATGAGGAGCTGACCCCTGCTCTT	124		
Qy	120	CC	ATGGGACCCCTGCAGCTGGGCCAGGCCCTCAACGGTGTGTACAGGACACGGAGGACG	179		
Db	125	CC	ATGGGACCCCTGCAGCTGGGCCAGGCCCTCAACGGTGTGTACAGGACACGGAGGACG	184		
Qy	180	GCT	GACAAAGGCCAGGAACAGCTGGGTCTCTATGGCCGCACATAGAACTCTCTGGGGCA	239		
Db	185	GCT	GACAAAGGCCAGGAACAGCTGGGTCTCTATGGCCGCACATAGAACTCTCTGGGGCA	244		
Qy	240	GG	AGGTCAGCCGGGCCGGGATGCAGCCAGGAACCTTCGGGCAAGCCTGTTGGAGACTCA	299		
Db	245	GG	AGGTCAGCCGGGCCGGGATGCAGCCAGGAACCTTCGGGCAAGCCTGTTGGAGACTCA	304		
Qy	300	GAT	GAGGAGGATATTCTGACCTGCAGGCAGAGGCCACAGCTGAGGTGCTGGGGAGGT	359		
Db	305	GAT	GAGGAGGATATTCTGACCTGCAGGCAGAGGCCACAGCTGAGGTGCTGGGGAGGT	364		

QY 360 GG-CCCAGGCACAGAAAGGTGCTACGGGACAGCGTGCAGCGGCTAGAAAGTCCAGCTGAGGA 418
DB 365 GGCCCCAGGCACAGAAAGGTGCTACGGGACAGCGTGCAGCGGCTAGAAAGTCCAGCTGAGGA 424
QY 419 GCGCCTGGCTGGGCCCTGCCTTACCGAGAAATTTGAGGTCTTAAAGGCTCACGCTGACAAGC 478
DB 425 GCGCCTGGCTGGGCCCTGCCTACCGAGAAATTTGAGGTCTTAAAGGCTCACGCTGACAAGC 484
QY 479 AGAGCCACATCCTATAGGCCCTCACAGGCCACGTCAGCGGCAGAGGGCGGGAGATGGTGG 538
DB 485 AGAGCCACATCCTATAGGCCCTCACAGGCCACGTCAGCGGCAGAGGGCGGGAGATGGTGG 544
QY 539 CACAGCAGCATCGGCTGCGACAGATCCAGGAGAGACTCCACACAGCGGCGCTCCCAGCCT 598
DB 545 CACAGCAGCATCGGCTGCGACAGATCCAGGAGAGACTCCACACAGCGGCGCTCCCAGCCT 604
QY 599 GAATCTGCCTGGATGGAATCTGAGGACCAATCATGCTGCAAGGAACACTTCCAGGCCCCGT 658
DB 605 GAATCTGCCTGGATGGAATCTGAGGACCAATCATGCTGCAAGGAACACTTCCAGGCCCCGT 664
QY 659 GAGGCCCTGTGCAGGGAGGAGCTGCCTGTTCACTGGGATCAGCCAGGGCGCGGGCCCC 718
DB 665 GAGGCCCTGTGCAGGGAGGAGCTGCCTGTTCACTGGGATCAGCCAGGGCGCGGGCCCC 724
QY 719 ACTTCTGAGCACAGACAGACAGACGACGCGAGGCGGGGACAAAGGCAGAGGATGTAGCCCC 778
DB 725 ACTTCTGAGCACAGACAGACAGACGACGCGAGGCGGGGACAAAGGCAGAGGATGTAGCCCC 784
QY 779 ATTGGGGAGGGGTGGAGGAAGGACATGTACCCCTTTCATGCCTACACACCCCTCATTAAG 838
DB 785 ATTGGGGAGGGGTGGAGGAAGGACATGTACCCCTTTCATGCCTACACACCCCTCATTAAN 844
QY 839 CAGAGTCGTGGCATTTCAAAAAAAAAAAAAA 869
DB 845 CANAGTCGTGGCATCTCAAAAAAAAAAAAAA 875

RESULT 2

US-09-369-247-16
; Sequence 16, Application US/09369247
; Patent No. 6569992
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: P2024P1
; CURRENT APPLICATION NUMBER: US/09/369,247
; CURRENT FILING DATE: 1999-08-05
; EARLIER APPLICATION NUMBER: 60/074,118
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,157
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,137
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,341
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,141
; EARLIER FILING DATE: 1998-02-09
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 990
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-369-247-16

Query Match 78.8%; Score 704; DB 4; Length 990;
Best Local Similarity 86.9%; Pred. No. 8.7e-156;
Matches 855; Conservative 8; Mismatches 13; Indels 108; Gaps 4;
QY 3 CATGCCAGTGCCTGCTGTGCCTGCTCTGGGCCCTGGCAATGGTGACCCGGCTGCCTC 62
DB 2 CATGCCAGTGCCTACTCTGTGCCTGCTGTGGGCCCTGGCAATGGTGACCCGGCTGCCTC 61

QY 63 AGCGGCCCCCATGGGCGGGCCAGAACTGGGCACAGCATGAGGAGCTGACCCCTGCTTTCCA 122
DB 62 AGCGGCCCCCATGGSCGGGCCAGAACTGGGCACAGCATGAGGAGCTGACCCCTGCTTTCCA 121
QY 123 TGGGACCCCTGCAGCTGGGCGCAGGCCCTCAACGGTGTGTACAGGACCAACGGAGGACGGCT 182
DB 122 CGGGACCCCTGCAGCTGGGCGCAGGCCCTCAACGGTGTGTACAGGACCAACGGAGGACGGCT 181
QY 183 GACAAAGGCCAGGAACAGCCTGGGTCTCTATGGCCGCACAATAGAACTCTGGGCAGGA 242
DB 182 GACAAAGGCCAGGAACAGCCTGGGTCTCTATGGCCGCACAATAGAACTCTGGGCAGGA 241
QY 243 GGTGAGCCGGGGCCGGGATGCAGCCCCAGGAACCTTCGGGCAAGCCTGTGGAGACTCAGAT 302
DB 242 GGTGAGCCGGGGCCGGGATGCAGCCCCAGGAACCTTCGGGCAAGCCTGTGGAGACTCAGAT 301
QY 303 GGAGGAGGATATTCTGCAGCTGCAGGACAGGACCCACAGCTGAGTGTCTGGGGAGGTGGC 362
DB 302 GGAGGAGGATATTCTGCAGCTGCAGGACAGGACCCACAGCTGAGTGTCTGGGGAGGTGGC 361
QY 363 CCAGGCACAGAAAGGTGCTACGGGACAGCGTGCAGCGGCTAGAAAGTCCAGCTGAGGACGC 422
DB 362 CCAGGCACAGAAAGGTGCTACGGGACAGCGTGCAGCGGCTAGAAAGTCCAGCTGAGGACGC 421
QY 423 CTGGCTGGGCCCTGCCTACCGAGAAATTTGAGGTCTTAAAGGCTCACGCTGACAAGC-AGA 481
DB 422 CTGGCTGGGCCCTGCCTACCGAGAAATTTGAGGTCTTAAAGGCTCACGCTGACAAGCAAGA 481
QY 482 GCCACATCCTATGGGCCCTCACAGGCCACGTCAGCGGCAGAGGCGGGAGATGTGGCAC 541
DB 482 GCCACATCCTATGGGCCCTCACAGGCCACGTCAGCGGCAGAGGCGGGAGATGTGGCAC 540
QY 542 AGCAGCATCGGCTGCGACAGATCCAGGAG- 570
DB 541 AGCAGCATCGGCTGCGACAGATCCAGGAGAGGTGAGCCTGGCAGGGGTTTGGCAGGCAGG 600
QY 571 - 570
DB 601 GCAGTTGGATGGGGGGCGCACAGGGCAGCTGGAAAGGGGCCCTCACCTGGGCTGAGCC 660
QY 571 -AGACTCCACACAGCGCGGCTCCCAGCCTGAAATCTGCCTGGATGGAA 616
DB 661 ACATCTCCCTCCCAGACTCCACACAGCGGCGCTCCCAGCCTGAAATCTGCCTGGATGGAA 720
QY 617 CTGAGGACCAATCATGCTGCAAGGAACACTTCCAGCCCCCGTGGAGGCCCTGTGCAGGGA 676
DB 721 CTGAGGACCAATCATGCTGCAAGGAACACTTCCAGCCCCCGTGGAGGCCCTGTGCAGGGA 780
QY 677 GGAGCTGCCTGTTCACTGGGATCAGCCAGGGCGCGGGCCCCACTTCTGAGCA CAGAGCA 736
DB 781 GGAGCTGCSTGTTCACTGGGAYMAGCCAGGGCGCGGGCCCCACTTCTGAGCA CAGAGCA 840
QY 737 GAGACAGACGCGGGGACAAAGGCAGAGGATGTAG-CCCCATTGGGGAGGGTGGAG 795
DB 841 GAGACAGACGCGGGGACAAAGGCAGAGGATGTAGTCCCCCATTTGGGAGGGTGGAG 900
QY 796 GAAGGACATGTACCTTTTCATGCCTACACACCCCTCATTTAAAGCAGAGTCTGTGCATTTC 855
DB 901 GAAGGACATGTACCTTTTCATGCCTACACACCCCTCATTTAAAGCAGAGTCTGTGCATTTC 960
QY 856 AAAAAAAAAAAAAAAAAAAAAA 879
DB 961 AAAAAAAAAAAAAAAAAAAAAA 984

RESULT 3
US-09-799-451-35
; Sequence 35, Application US/09799451
; Patent No. 6783969
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle

APPLICANT:	Asundi, Vinod
APPLICANT:	Ren, Feiyan
APPLICANT:	Zhang, Jie
APPLICANT:	Xue, Aidong J.
APPLICANT:	Zhao, Qing A.
APPLICANT:	Wang, Jian-Rui
APPLICANT:	Ma, Yungqing
APPLICANT:	Yamazaki, Victoria
APPLICANT:	Chen, Rui-hong
APPLICANT:	Wang, Zhiwei
APPLICANT:	Wang, Dunrui
APPLICANT:	Yang, Yonghong
APPLICANT:	Wehrman, Tom
APPLICANT:	Ghosh, Reena
APPLICANT:	Drmanac, Radoje T.
TITLE OF INVENTION:	No. 678396
TITLE OF INVENTION:	Polypeptide
FILE REFERENCE:	803
CURRENT APPLICATION NUMBER:	US
CURRENT FILING DATE:	2001-03-
NUMBER OF SEQ ID NOS:	948
SOFTWARE:	pt_FL_genes Version 1
SEQ ID NO 35	
LENGTH:	707
TYPE:	DNA
ORGANISM:	Homo sapiens
FEATURE:	
NAME/KEY:	CDS
LOCATION:	(8).. (601)
US-09-799-451-35	

Query Match		78.5%	Score 701.4;	DB 4;	Length 707;
Best Local Similarity 99.9%;		Pred. No. 3.2e-155;			
Matches 702;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;	
Qy	1	GTCAATGCCAGTGCCTGCTCTGTGCTGTGCTCTGGGCCCTGGCAATGGTGACCCGGCCTGCC	60		
Db	5	GTCAATGCCAGTGCCTGCTCTGTGCTGTGCTCTGGGCCCTGGCAATGGTGACCCGGCCTGCC	64		
Qy	61	TCAGCGGCCCCCATGGCGGCCCCAGAACTGGCACAGCATGAGGAGCTGACCCCTGCTCTTC	120		
Db	65	TCAGCGGCCCCCATGGCGGCCCCAGAACTGGCACAGCATGAGGAGCTGACCCCTGCTCTTC	124		
Qy	121	CATGGGACCCTGCAGCTGGGCCAGGCCCTCAACGGTGTGTACAGGACCACGGAGGGACGG	180		
Db	125	CATGGGACCCTGCAGCTGGGCCAGGCCCTCAACGGTGTGTACAGGACCACGGAGGGACGG	184		
Qy	181	CTGACAAAGGCCAAGNAACAGCCTGGGTCTCTATGGCCGCACAATAGAACTCTCTGGGGCAG	240		
Db	185	CTGACAAAGGCCAAGNAACAGCCTGGGTCTCTATGGCCGCACAATAGAACTCTCTGGGGCAG	244		
Qy	241	GAGGTCAGCCGGGCGGGGATGCAGCCCAGGAACTTCGGGCAAGCCTGTTGGAGACTCAG	300		
Db	245	GAGGTCAGCCGGGCGGGGATGCAGCCCAGGAACTTCGGGCAAGCCTGTTGGAGACTCAG	304		
Qy	301	ATGGAGGAGGATATTCTGCAGCTGCAGGCAGAGGCCACAGCTGAGGTGCTGGGGAGGTG	360		
Db	305	ATGGAGGAGGATATTCTGCAGCTGCAGGCAGAGGCCACAGCTGAGGTGCTGGGGAGGTG	364		
Qy	361	GCCCAGGCACAGAAGGTGCTACGGGACAGCGTGCCGCTAGAACTCCAGCTGAGGAGC	420		
Db	365	GCCCAGGCACAGAAGGTGCTACGGGACAGCGTGCCGCTAGAACTCCAGCTGAGGAGC	424		
Qy	421	GCCTGGCTGGGCCCTGCCTACCGAGAAATTTGAGGTCTTAAAGGCTCACGCTGACAAAGCAG	480		
Db	425	GCCTGGCTGGGCCCTGCCTACCGAGAAATTTGAGGTCTTAAAGGCTCACGCTGACAAAGCAG	484		
Qy	481	AGCCACATCCTATGGGCCCTCACAGGCCACGTGCAGCGGCAGAGCGGGAGATGGTGGCA	540		
Db	485	AGCCACATCCTATGGGCCCTCACAGGCCACGTGCAGCGGCAGAGCGGGAGATGGTGGCA	544		
Qy	541	CAGCAGCATCGGCTGGACAGATCCAGGAGAGACTCCACACAGCGGCGCTCCCAGCCTGA	600		

Db	545	CAGCAGCATCGGCTGCGACAGATCCAGGAGAGACTCCACACAGCGGCGCTCCGAGCCTGA	604
QY	601	ATCTGCCCTGGATGGAACTGAGGACCAATCATGCTGCAAGGAAACACTTCCACGQCCCGGTGA	660
Db	605	ATCTGCCCTGGATGGAACTGAGGACCAATCATGCTGCAAGGAAACACTTCCACGQCCCGGTGA	664
QY	661	GGCCCCCTGTGCAGGGAGGAGCTGCCTGTTCACTGGGATCAGCC	703
Db	665	GGCCCCCTGTGCAGGGAGGAGCTGCCTGTTCACTGTGATCAGCC	707

```

RESULT 4
US-09-799-451-36
; Sequence 36, Application US/09799451
; Patent No. 6783969
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Zhang, Jie
; APPLICANT: Xue, Aidong J.
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Ma, Yunqing
; APPLICANT: Yamazaki, Victoria
; APPLICANT: Chen, Rui-hong
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wang, Dunrui
; APPLICANT: Yang, Yonghong
; APPLICANT: Wehrman, Tom
; APPLICANT: Ghosh, Reena
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6783969el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 803
; CURRENT APPLICATION NUMBER: US/09/799,451
; CURRENT FILING DATE: 2001-03-05
; NUMBER OF SEQ ID NOS: 948
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 36
; LENGTH: 708
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (8)..(439)
; US-09-799-451-36

```

Query Match	59.2%;	Score 528.8;	DB 4;	Length 708;	
Best Local Similarity	81.1%;	Pred. No. 1.1e-114;			
Matches 702;	Conservative	0;	Mismatches 2;	Indels 162;	Gaps 1;
Qy	1	GTCA TGCCAGTGCCTGCTCTGTGCTGCTGCTCTGGGCCCTGGCAATGGTGACCCGCGCTGCC	60		
Db	5	GTCA TGCCAGTGCCTGCTCTGTGCTGCTCTGGGCCCTGGCAATGGTGACCCGCGCTGCC	64		
Qy	61	TCAGCGGCCCCCATGGGCGGCCAGAACTGGCACAGCATGAGGAGCTGACCTGCTCTTC	120		
Db	65	TCAGCGGCCCCCATGGGCGGCCAGAACTGGCACAGCATGAGGAGCTGACCTGCTCTTC	124		
Qy	121	CATGGGACCTGCAGCTGGGCGCAGGCCCTCAACGGTGTGTACAGGACCACGGAGGGACGG	180		
Db	125	CATGGGACCTGCAGCTGGGCGCAGGCCCTCAACGGTGTGTACAGGACCACGGAGGGACGG	184		
Qy	181	CTGACAAAGGCCAGGAACAGCCTGGGTCTCTATGGCCGCA CAATAGAACTCTGGGGCAG	240		
Db	185	CTGACAAAGGCCAGGAACAGCCTGGGTCTCTATGGCCGCA CAATAGAACTCTGGGGCAG	244		
Qy	241	GAGGTGAGCCGGGGCCGGGATGCAGCCCGAGAACTTCGGGCAAGCCTGTTGAGAACTCAG	300		
Db	245	GAGGTGAGCCGGGGCCGGGATGCAGCCCGAGAACTTCGGGCAAGCCTGTTGAGAACTC--	302		

QY 301 ATGGAGGAGGATATTCTGCAGCTGCAGGCAGAGGCCACAGCTGAGGTGCTGGGGAGGTG 360
Db 303 ----- 302
QY 361 GCCCAGGCACAGAAGGTGCTACGGGACAGCGTGACGGCGGTAGAAAGTCCAGCTGAGGAGC 420
Db 303 ----- 302
QY 421 GCCTGGCTGGGCCCTGCCTACCGAGAAATTGAGGTCTTAAAGGCTCACGCTGACAAAGCAG 480
Db 303 -----AGGCTCACGCTGACAAGCAG 322
QY 481 AGCCACATCCTATGGGCCCTCACAGGCCACGTCGACGGCGGACAGGGCGGGAGATGGTGGCA 540
Db 323 AGCCACATCCTATGGGCCCTCACAGGCCACGTCGACGGCGGACAGGGCGGGAGATGGTGGCA 382
QY 541 CAGCAGCATCGGCTGCGACAGATCCAGGAGAGACTCCACACAGCGGGCGCTCCCAAGCCTGA 600
Db 383 CAGCAGCATCGGCTGCGACAGATCCAGGAGAGACTCCACACAGCGGGCGCTCCCAAGCCTGA 442
QY 601 ATCTGCTGGATGGAACTGAGGACCAATCATGCTGTGCAAGGAACACTTCCACGCCCGCTGA 660
Db 443 ATCTGCTGGATGGAACTGAGGACCAATCATGCTGTGCAAGGAACACTTCCACGCCCGCTGA 502
QY 661 GGCCCTGTGCAGGGAGGAGTGCCTGTTCACTGGGATCAGCCAGGGCGCGGGCCCCAC 720
Db 503 GGCCCTGTGCAGGGAGGAGTGCCTGTTCACTGGGATCAGCCAGGGCGCGGGCCCCAC 562
QY 721 TTCTGAGCACAGACAGACAGACGACGCGGGGACAAAGGCAGAGGATGTAGCCCAT 780
Db 563 TTTTGAGCACAGACAGACAGACGACGCGGGGACAAAGGCAGAGGATGTAGCCCAT 622
QY 781 TGGGAGGGGTGGAGGAAGGACATGTACCCCTTTCATGCCTACACACCCCTCATTAAGCA 840
Db 623 TGGGAGGGGTGGAGGAAGGACATGTACCCCTTTCATGCCTACACACCCCTCATTAAGCA 682
QY 841 GAGTCGTGGCATTTCAAAAAAAAAA 866
Db 683 GAGTCGTGGCATCTCAAAAAAAAAA 708
RESULT 5
US-09-976-594-869
; Sequence 869, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 869
; LENGTH: 1372
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 027619.3
US-09-976-594-869
Query Match 57.4%; Score 512.2; DB 4; Length 1372;
Best Local Similarity 89.6%; Pred. No. 1.1e-110;
Matches 779; Conservative 0; Mismatches 58; Indels 32; Gaps 20;
QY 27 GCTCTGGGCCCTGG-CAATGGTGACCCGGCCTGCCTCAGCGGCCCCCATGGGGGCCAG 85
Db 504 GCTCTGGGCCCTGGTCAATGGTGACCCGGCCTGCCTCAGCGGCCCCCATGGGGGCCAG 563

QY 86 AACT-GGCACAGCATGAGGAGCTGACCCTGC-TCTTCCATGGGACCCT-GCAGCTGGGGCC 142
Db 564 AACTGGGCACAGCATGAGGATCTGACCCTGCTTCTTCCATGGGACCCTGGCAGCTGGGGCC 623
QY 143 AGGCCCTCAACGGTGTGTACAGGACCAACGGAGGACGGCTG-ACAAAGGCCAGGAACAGC 201
Db 624 AGGCCCTCAACGGTGTGTACAGGACCAACGGAGGACGGCTGAACAAAGGCCAGGAACAGC 683
QY 202 CTGGGTCTCTATGGCCCGCACAAATAGAACTCTCTGGGG--CAGGAGGTACGCCGGGCCGGG 259
Db 684 CTGGGTCTCTATGGCCCGCACAAATAGAACTCTCTGGGGCGAGGAGTTTCAGCCGGGGCCGGG 743
QY 260 ATGCAGCCCCAGGAACCTTCGGG-CAAGCCTCTTGG-AGACTCA-GATGGAGGAGGATATTC 316
Db 744 ATGCAGCCCCAGGAACCTTCGGGTCAAGCCTGTGGTAGACTCATGATGGAGGAGGATATTC 803
QY 317 TGCAG--CTGCAGGCAGAGGCCACAGCTGAGGTG-CTGGGGAGGTGGCCCCA+GGCACAG 372
Db 804 TGCAGTCTGTACAGGCAGAGGCCACAGCTGAGGTGTCTGGGGAGGTGGCCCCATGGCACAG 863
QY 373 AAGGTGCTACGGGACAGCGTGCAGCGGC-----TAGAAGTCCAGCTGAGGAG-CGCCTG 425
Db 864 AAGGTGCTACTGGGATCAGCGTGTACGCGGTCTAGTATAGTCCAGCTGAGGAGACGCCTG 923
QY 426 GCTGGCCCTGCCTACCGAG--AATTTGAGGTCTTAAAGGCTCACGCTGA-CAAGCAGAG 482
Db 924 GCTGGCCCTGCCTACCGTAGATATTTGAGGTCTTAAAGGCTCACGCTGATCAAGCAGAG 983
QY 483 CCACATCCTATGGGCCCTCACAGGCC-ACGTGCAGCGGCAGAGCGGGGAGATGGTGGCAC 541
Db 984 CCACATCCTATGGGCCCTCACAGGCCCTACGTGCAGCGGCCTAGAGCGGGAGTATGGTGG 1043
QY 542 AGCAGCATC----GGCTGCGACAGATCCAGGAGAGACTCCAC-ACAGCGGCGCTCCCAG 595
Db 1044 CACAGCTAGCATCGGTCTCGACAGATCCAGGAGAGACTCCACTACAGCGGCGCTCCCAG 1103
QY 596 CCTGAATCTGCTGGATGGAACCTGAGGACCAATCATGCTGCAAGGAACACTTTCACGCCC 655
Db 1104 CCTGAATCTGCTGGATGGAACCTGAGGACCAATCATGCTGCAAGGAACACTTTCACGCCC 1163
QY 656 CGTGAGGCCCTGTGCAGGGAGGAGCTGCTGTTCACTGGG-ATCAGCCAGGGCGCCGGG 714
Db 1164 CGTGAGGCCCTGTGCAGGGAGGAGCTGCTGTTCCCCGGGAACCACCCAGGACACCGGC 1223
QY 715 CCCCACTTCTGAGCACAGACAGACAGACAGACGACGCGGGGACAAAGGCAGAGGATGTAG 774
Db 1224 CCCCACTTCTGAGCCCCAGAGCAGACAGACAGACGACGCGCGGACAAAGCTAGAGGATGTAG 1283
QY 775 CCCCATTTGGGAGGGGTGGAGGAAGGACATGTACCTTTTCATGCCTACACACCCCTCATT 834
Db 1284 CCCCATTTGGGAGGGGTGGAGGAAGGACATGTACCCCTTTTCATGCCTACACACCCCTCATT 1343
QY 835 AAAGCAGAGTCGTGGCATTTCAAAAAAAAAA 863
Db 1344 AAAGCAGAGTCGTGGCATCTCAAAAAAAAAA 1372

RESULT 6
US-09-621-976-17767
; Sequence 17767, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 17767

```
; LENGTH: 298
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-17767

Query Match      16.0%; Score 142.6; DB 4; Length 298;
Best Local Similarity 97.5%; Pred. No. 3.8e-24;
Matches 153; Conservative 2; Mismatches 1; Indels 1; Gaps 1;

QY 1 GTCATGCCAGTGCCTCTGTGCTGCTGCTGCGCCCTGGCAATGGTGACCCGGCCTGCC 60
   |||||
Db 19 GTCATGCCAGTGCCTGCKTGTGCTGCTGCGCCCTGGCAATGGTGACCCGGCCTGCC 78
   |||||

QY 61 TCAGCGGCCCCCATGCGCGGCCCCAGAACTGGACAGCATGAGGAGCTGACCCCTGCTCTTC 120
   |||||
Db 79 TCAGCKGCCCCCAT-GCGCGGCCCAGAACTGGACAGCATGAGGAGCTGACCCCTGCTCTTC 137
   |||||

QY 121 CATGGGACCTGCAGTGGGCCAGGCCCTCAACGGTG 157
   |||||
Db 138 CATGGGACCTGCAGTGGGCCAGGCCCTCAACGATG 174
   |||||
```

```
RESULT 7
US-09-249-585A-2
; Sequence 2, Application US/09249585A
; Patent No. 6417002
; GENERAL INFORMATION:
; APPLICANT: Horlick, Robert
; TITLE OF INVENTION: METHOD FOR MAINTENANCE AND SELECTION OF EPISOMES
; FILE REFERENCE: 0867/0D905
; CURRENT APPLICATION NUMBER: US/09/249,585A
; CURRENT FILING DATE: 1999-02-11
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1926
; TYPE: DNA
; ORGANISM: Epstein Barr Virus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1926)
; OTHER INFORMATION: coding strand of EBNA-1 DNA
US-09-249-585A-2
```

```
Query Match      6.3%; Score 56.4; DB 3; Length 1926;
Best Local Similarity 49.7%; Pred. No. 0.0013;
Matches 172; Conservative 0; Mismatches 171; Indels 3; Gaps 1;

QY 232 CTGGGGCAGGAGTGCAGCCGGGGCGGGATGACGCCAGGAACCTTCGGSCAAGCCTGTTG 291
   |||
Db 308 CAGGAGCAGGAGGAGGGGCAGGACAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAG 367

QY 292 GAGACTCAGATGAGGAGGATATTCTGCAGCTGCAGGCAGAGGCCACACAGCTGAGGTGCTG 351
   |||
Db 368 GGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAG 427

QY 352 G---GGGAGGTGGCCAGGCACAGAAAGGTGCTACGGGACAGCGTGCAGCGGCTAGAAGTC 408
   |||
Db 428 GAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGG 487

QY 409 CAGCTGAGGAGCGCCTGCGTGGCCCTGCCTACCGAGAATTTGAGGTCTTAAAGGCTCAC 468
   |||
Db 488 CAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAG 547

QY 469 GCTGACAAGCAGAGCCACATCCTATGGGCCCTGCCTACCGAGAATTTGAGGTCTTAAAGGCTCAC 468
   |||
Db 548 GGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAG 607

QY 529 GAGATGGTGGCAGCAGCAGCATCGGCTGCGACAGATCCAGGAGAGAC 574
   |||
Db 608 GAGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGC 653
```

```
RESULT 8
US-09-410-399-3
; Sequence 3, Application US/09410399
; Patent No. 6482587
; GENERAL INFORMATION:
; APPLICANT: Robertson, Erle S.
; APPLICANT: Cotter, Murray A.
; TITLE OF INVENTION: Methods to Inhibit or Enhance the Binding of Viral DNA
; TITLE OF INVENTION: to Genomic Host DNA
; FILE REFERENCE: UM-03778
; CURRENT APPLICATION NUMBER: US/09/410,399
; CURRENT FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1926
; TYPE: DNA
; ORGANISM: Epstein-Barr virus
US-09-410-399-3

Query Match      6.3%; Score 56.4; DB 4; Length 1926;
Best Local Similarity 49.7%; Pred. No. 0.0013;
Matches 172; Conservative 0; Mismatches 171; Indels 3; Gaps 1;

QY 232 CTGGGGCAGGAGTGCAGCCGGGGCGGGATGACGCCAGGAACCTTCGGSCAAGCCTGTTG 291
   |||
Db 308 CAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAG 367

QY 292 GAGACTCAGATGAGGAGGATATTCTGCAGCTGCAGGCAGAGGCCACAGCTGAGGTGCTG 351
   |||
Db 368 GGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAG 427

QY 352 G---GGGAGGTGGCCAGGCACAGAAAGGTGCTACGGGACAGCGTGCAGCGGCTAGAAGTC 408
   |||
Db 428 GAGCAGGAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGG 487

QY 409 CAGCTGAGGAGCGCCTGCGTGGCCCTGCCTACCGAGAATTTGAGGTCTTAAAGGCTCAC 468
   |||
Db 488 CAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAG 547

QY 469 GCTGACAAGCAGAGCCACATCCTATGGGCCCTGCCTACCGAGAATTTGAGGTCTTAAAGGCTCAC 528
   |||
Db 548 GGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAG 607

QY 529 GAGATGGTGGCAGCAGCAGCATCGGCTGCGACAGATCCAGGAGAGAC 574
   |||
Db 608 GAGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGC 653
```

```
RESULT 9
US-09-050-863-2
; Sequence 2, Application US/09050863
; Patent No. 6114111
; GENERAL INFORMATION:
; APPLICANT: Lao, Ying
; APPLICANT: Hiang, Betty
; APPLICANT: Payan, Don
; TITLE OF INVENTION: Mammalian Protein Interaction Cloning
; TITLE OF INVENTION: System
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
```

```

; APPLICATION NUMBER: US/09/050,863
; FILING DATE: 30-MAR-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Silva, Robin M.
; REGISTRATION NUMBER: 38,304
; REFERENCE/DOCKET NUMBER: A-65638/DJJB/RMS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 949-8711
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2580 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA
US-09-050-863-2

Query Match 6.3%; Score 56.4; DB 3; Length 2580;
Best Local Similarity 49.7%; Pred. No. 0.0014;
Matches 172; Conservative 0; Mismatches 171; Indels 3; Gaps 1;

QY 232 CTGGGCAGGAGGTAGCCGGGCGGGATGCAGCCAGGAACTTCGGGAAGCCTGTG 291
Db 691 CAGGAGCAGGAGGAGGGGCAGGAGGAGGAGGGGCAGGAGGGGCAGGAG 750

QY 292 GAGACTCAGATGGAGGAGGATATTCTCAGCTGCAGGCAGAGGCCACAGCTGAGTGCTG 351
Db 751 GGGCAGGAGCAGGAGGAGGGGCAGGAGGAGGAGGGGCAGGAGGGGCAG 810

QY 352 G---GGGAGGTGGCCAGGCACAGAGGTGCTACGGGACAGCGTGCGCGGCTAGAAGTC 408
Db 811 GAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGG 870

QY 409 CAGCTAGGAGCGCCTGGCTGGCCCTGCCTACCGAGAATTTGAGGTCTTAAAGGCTCAC 468
Db 871 CAGGAGGGCAGGAGGGGCAGGAGGAGGAGGGGCAGGAGGGGCAGGAGGGG 930

QY 469 GCTGACAAGCAGAGCCACATCCTATGGGCCCCTCACAGGCCACGTGCAGCGGCGG 528
Db 931 GGGCAGGAGCAGGAGGGGCAGGAGGAGGAGGGGCAGGAGGGGCAGGAGGGG 990

QY 529 GAGATGGTGGCAGCAGCATCGGCTGCGACAGATCCAGGAGAGAC 574
Db 991 GAGCAGGAGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGC 1036

RESULT 10
US-09-359-081-2
; Sequence 2, Application US/09359081
; Patent No. 6316223
; GENERAL INFORMATION:
; APPLICANT: Lao, Ying
; Hiang, Betty
; Payan, Don
; TITLE OF INVENTION: Mammalian Protein Interaction Cloning
; SYSTEM
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/359,081

```

```

; FILING DATE: 22-Jul-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/050,863
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Silva, Robin M.
; REGISTRATION NUMBER: 38,304
; REFERENCE/DOCKET NUMBER: A-65638/DJJB/RMS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 949-8711
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2580 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-359-081-2

Query Match 6.3%; Score 56.4; DB 3; Length 2580;
Best Local Similarity 49.7%; Pred. No. 0.0014;
Matches 172; Conservative 0; Mismatches 171; Indels 3; Gaps 1;

QY 232 CTGGGGCAGGAGGTAGCCGGGCGGGATGCAGCCCGAGAACTTCGGGGCAAGSCCTGTTG 291
Db 691 CAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGG 750

QY 292 GAGACTCAGATGGAGGAGGATATTCTGCGAGTGCAGGCGAGAGGCCACAGCTGAGTGCTG 351
Db 751 GGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGG 810

QY 352 G---GGGAGGTGGCCAGGCACAGAAAGGTGTACGGGACAGCGTGCGCGGCTAGAAGTC 408
Db 811 GAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGG 870

QY 409 CAGCTGAGGAGCGCCTGGCTGGGCCCCTGCCTACCGAGAATTTGAGGTCTTAAAGGCTCAC 468
Db 871 CAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGG 930

QY 469 GCTGACAAGCAGAGCCACATCCTATGGGCCCCTCACAGGCCACGTGCAGCGGCGG 528
Db 931 GGGCAGGAGCAGGAGGGGCAGGAGGAGGAGGGGCAGGAGGGGCAGGAGGGG 990

QY 529 GAGATGGTGGCAGCAGCATCGGCTGCGACAGATCCAGGAGAGAC 574
Db 991 GAGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGC 1036

RESULT 11
US-09-130-114-1/c
; Sequence 1, Application US/09130114
; Patent No. 5976807
; GENERAL INFORMATION:
; APPLICANT: Horlick, Robert A.
; APPLICANT: Damaj, Bassam B.
; APPLICANT: Robbins, Alan K.
; TITLE OF INVENTION: Eukaryotic Cells Stably Expressing Genes
; TITLE OF INVENTION: From Multiple Transfected Episomes
; FILE REFERENCE: 0867/ID903US1
; CURRENT APPLICATION NUMBER: US/09/130,114
; CURRENT FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 5452
; TYPE: DNA
; ORGANISM: VEBNA
US-09-130-114-1

Query Match 6.3%; Score 56.4; DB 2; Length 5452;

```


Best Local Similarity 49.7%; Pred. No. 0.0018;		Matches 172; Conservative 0; Mismatches 171; Indels 3; Gaps 1;	
QY	232 CTGGGCAGGAGGTCAGCCGGGCCGGGATGCAGCCCAAGAACTTCGGGCAAGCCTGTTG	291	
Db	2114 CAGGAGCAGGAGGAGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAG	2055	
QY	292 GAGACTCAGATGGAGGAGGATATTCTGCAGCTGCAGGCAGAGGCCACAGCTGAGGTGCTG	351	
Db	2054 GGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAG	1995	
QY	352 G---GGGAGGTGGCCAGGCACAGAAAGGTGCTACGGGCACAGCGTGACGGCTAGAACTC	408	
Db	1994 GAGCAGGAGGAGGGGAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGG	1935	
QY	409 CAGCTGAGGAGCGCCTGGCTGGGCCCTGCCTACCGAGAAATTGAGGTCTTAAAGGCTCAC	468	
Db	1934 CAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGGGCAGGAG	1875	
QY	469 GGTGACAAGCAGAGCCACATCCTATGGGCCCTCACAGGCCACGTGCAGCGGCAGAGGGCGG	528	
Db	1874 GGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGAGGGGCAG	1815	
QY	529 GAGATGGTGGCACAGGAGGCATCGGCTGCCGACAGATCCAGGAGAGAC	574	
Db	1814 GAGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGC	1769	

Query Match	6.3%;	Score 56.4;	DB 4;	Length 8705;
Best Local Similarity	49.7%;	Pred. No. 0.0021;		
Matches 172;	Conservative	0;	Mismatches 171;	Indels 3;
Gaps	1;			
Qy 232	CTGGGGCAGGAGGTCAGCCGGGGCCGGGATGCAGCCCCAGGAACTTCGGGGCAAGCCTGTTG	291		
Db 7979	CAGGAGCAGGAGGAGGGCAGGAGCAGGAGGAGGGGGCAGGAGGGGCAGGAGGGGCAGGAG	7920		
Qy 292	GAGACTCAGATGGAGGAGGATATTCTGCAGCTGCAGGCAGAGGCCACAGCTGAGGTGCTG	351		
Db 7919	GGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAG	7860		
Qy 352	G---GGGAGGTGGCCAGGCCACAGAAAGTGCTACGGGCAGCGTCAGCGGCTAGAAGTC	408		
Db 7859	GAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGCAGGAGGAGGGG	7800		
Qy 409	CAGCTGAGGAGCGCCTGGCTGGGCCCTGCCTACCGAGAAATTTAGAGTCTTAAAGGCTCAC	468		
Db 7799	CAGGAGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAG	7740		
Qy 469	GCTGACAAAGCAGAGCCACATCCTATGGGCCCTCACAGGGCCACGTGCAGCGGCAGAGGCGG	528		

```
Db      7739 GGGCAGGAGCACGAGGAGGGGCCAGGAGGGGCAGGAGGGCCAGGAGCGACGAGGAGCGGGCAG   7688
QY      529 GAGATGGTGGCACAGCAGCATCGGCTGCGACAGATCCAGGAGAGAC   574
           ||| || | || | || | || | || | || | || | || | || |
Db      7679 GAGCAGGAGGGGCAGGAGGGGCCAGGAGGGGCAGGAGGGCCAGGAGCGACGAGGAGGGGC   7634

RESULT 13
US-08-910-647-1
; Sequence 1, Application US/08910647
; Patent No. 6251433
; GENERAL INFORMATION:
; APPLICANT: Zuckermann et al.
; TITLE OF INVENTION: Compositions and Methods for
; TITLE OF INVENTION: Polynucleotide Delivery
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,647
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Fujita, Sharon M.
; REGISTRATION NUMBER: 38,459
; REFERENCE/DOCKET NUMBER: 1218.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 923-2706
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9600 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
;
US-08-910-647-1
```

	Query Match	6.3%;	Score 56.4;	DB 3;	Length 9600;		
	Best Local Similarity	49.7%;	Pred. No. 0.0022;				
	Matches 172;	Conservative	0;	Mismatches 171;	Indels 3;		
				Gaps	1;		
QY	232	CTGGGGCAGGAGGT	CAGCCGGGGCCGGGATGCAGCC	CAGGAAC	TTCTGGGCAAGCCTGTG	291	
Db	737	CAGGAGCAGGAGGGC	CAGGAGCAGGAGGGGCAGGAGGGGC	CAGGAGGGGC	CAGGAGGGGCAGGAG	796	
QY	292	GAGACTCAGATGGAGG	AGGATATTTCTGCAGCTGCAGGC	CAGAGGCC	CAGCTGAGGTGCTG	351	
Db	797	GGCAGGAGCAGGAGG	AGGGGCAGGAGCAGGAGGGGC	CAGGAGGGGC	CAGGAGGGGCAG	856	
QY	352	G---GGGAGGTGGCCC	CAGGCACAGAAAGGTGCTACGGG	CACAGCGTGCAGCGGCT	AGAAAGTC	408	
Db	857	GAGCAGGAGGAGGGG	CAGGAGCAGGAGGAGGGGCAGGAGGGGC	CAGGAGGGGC	CAGGAGGAGGGGG	916	
QY	409	CAGCTGAGGAGCGCCT	GGCTGGGCCCTGCCTACCGAGAA	TTTGAGGTCTTAAAG	GGCTCAC	468	
Db	917	CAGGAGGGCAGGAGGG	CAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGGGC	CAGGAGGGGC	CAGGAGGGGCAGGAG	976	
QY	469	GCTGACACAGCAGACC	ACATCCTATTGGGCCCC	TCACAGGCC	CACGTGCAGCGGC	CAGAGGCGG	528
Db	977	GGGCAGGACAGGAGG	AGGGGCAGGAGGGGCAGGAGGGGC	CAGGAGGGGC	CAGGAGGGGCAG	1036	
QY	529	GAGATGGTGGC	CACAGCAGCATCGGCTGCC	CACAGATCC	CAGGAGAGAC	574	

Db 1037 GAGCAGGAGGGCAGGAGGGCAGGAGGGCAGGAGGGCAGGAGGGGC 1082

RESULT 14

US-09-620-925-1
; Sequence 1, Application US/09620925
; Patent No. 6468986
; GENERAL INFORMATION:
; APPLICANT: Zuckermann et al.
; TITLE OF INVENTION: Compositions and Methods for Polynucleotide Delivery
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/620,925
; FILING DATE: 21-Jul-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/910,647
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Fujita, Sharon M.
; REGISTRATION NUMBER: 38,459
; REFERENCE/DOCKET NUMBER: 1218.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 923-2706
; TELEFAX: (510) 655-3542
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9600 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:

Query Match 6.3%; Score 56.4; DB 3; Length 9600;
Best Local Similarity 49.7%; Pred. No. 0.0022;
Matches 172; Conservative 0; Mismatches 171; Indels 3; Gaps 1;
Qy 232 CTGGGGCAGGAGGTACGCCGGCCGGGATGACGCCAGGAACCTCGGGCAAGCCTGTG 291
Db 737 CAGGAGCAGGAGGAGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGG 796
Qy 292 GAGACTCAGATGGAGGAGGATATTCTGCAGCTGCAGGCAGAGGCCACAGCTGAGGTGCTG 351
Db 797 GGGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAG 856
Qy 352 G---GGGAGGTGGCCAGGCACAGAGGTGCTACGGGACAGCCTGCAGCGGCTAGAAATC 408
Db 857 GAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGAGGGG 916
Qy 409 CAGCTGAGGAGCGCTGGCTGGGCCCTGCCTACCGAGAATTTGAGGTCTTAAAGGCTCAC 468
Db 917 CAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGAGGGGCAGGAG 976
Qy 469 GCTGACAGCAGAGCCACATCCTATGGGCCCTCACAGGCCACGTGCAGCGGCAGAGGGCGG 528
Db 977 GGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGAGGGGCAG 1036

Qy 529 GAGATGGTGGCACAGCAGCATCGGCTGCGACAGATCCAGGAGAGAC 574
Db 1037 GAGCAGGAGGGCAGGAGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGC 1082
RESULT 15
US-07-884-811-15
; Sequence 15, Application US/07884811
; Patent No. 5316921
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J. Lokker, Nathalie A. Mark, Melanie R.
; TITLE OF INVENTION: SINGLE-CHAIN HEPATOCYTE GROWTH FACTOR VARIANTS
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/884,811
; FILING DATE: 19920518
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: 755.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-3216
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10596 bases
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-07-884-811-15

Query Match 6.3%; Score 56.4; DB 1; Length 10596;
Best Local Similarity 49.7%; Pred. No. 0.0023;
Matches 172; Conservative 0; Mismatches 171; Indels 3; Gaps 1;
Qy 232 CTGGGGCAGGAGGTACGCCGGCCGGGATGACGCCAGGAACCTCGGTGTG 291
Db 2271 CAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAG 2330
Qy 292 GAGACTCAGATGGAGGAGGATATTCTGCAGCTGCAGCAGAGGCCACAGCTGAGGTGCTG 351
Db 2331 GGCAGGAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAG 2390
Qy 352 G---GGGAGGTGGCCAGGCACAGAGGTGCTACGGGACAGCGTGCAGCGGCTAGAAATC 408
Db 2391 GAGCAGGAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGG 2450
Qy 409 CAGCTGAGGAGCGCTGGCTGGGCCCTGCCTACCGAGAATTTGAGGTCTTAAAGGCTCAC 468
Db 2451 CAGGAGGGGCAGGAGGGGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAG 2510
Qy 469 GCTGACAGCAGAGCCACATCCTATGGGCCCTCACAGGCCACGTGCAGCGGCAGAGCGG 528
Db 2511 GGCAGGAGCAGGAGGAGGGGCAGGAGGGGCAGGAGGGGCAGGAGGGGCAG 2570
Qy 529 GAGATGGTGGCACAGCAGCATCGGCTGCGACAGATCCAGGAGAGAC 574

